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Vegetable Seed Trials

1931

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U. S. Department of Agriculture



Leonard's SEEDS

LEONARD'S LAWN MIXTURES



LEONARD'S CHICAGO PARKS GRASS SEED
In New Sifter Top Cans

Here is a new package for Grass Seed which not only contains the Seed but is convenient when planting. All you have to do is SHAKE IT ON the ground.

By using Leonard's Sifter Top Cans you secure a more even planting than is possible with hand broadcasting, no spot with too much seed and others without enough for a good stand. Price per package 45c.

Leonard's Chicago Park Lawn Grass Seed. This is positively the highest grade mixture that can be prepared. It is composed of the seed of the finest English and American grasses with White Clover so that with even ordinary care it cannot fail to make a beautiful lawn. For quickly producing a permanent thick and velvety sward this brand cannot be excelled. 5 lbs. \$2.10; 10 lbs. \$4.00.

Shady Nook Lawn Grass. Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. Per lb. 50c; 5 lbs. \$2.35; 10 lbs. \$4.50.

SUGGESTIONS FOR THE PREPARATION AND CARE OF LAWNS

The ground should be thoroughly drained, and if not naturally rich, fertilizer should be added before sowing.

When seeding new lawns, work the soil by plowing or spading until thoroughly pulverized, being careful to leave the entire surface as near alike as possible, that the grass may be even in its growth; finish by harrowing or raking until made fine and finally level by use of heavy roller.

Seeding may best be done in the spring or fall. If done during the hot months of summer, the ground must be kept moist when sowing is made. With the ground prepared as directed let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with a roller.

To secure the best results use plenty of seed, 100 pounds per acre being about the right quantity. One pound is sufficient for 200 square feet. Let the grass obtain a good start before cutting, say a height of three or four inches, as the growth is retarded by too early cutting. When well rooted a lawn should be trimmed with a lawnmower about once in ten days. No lawns can be maintained long in good order without successive rollings, which work should be done in the spring before the ground becomes dry.

In very dry weather, a thorough wetting should be given frequently, as the soil should not get baked.

Best results can only be obtained by using the best grass seed mixtures. The cheap mixtures which consist mostly of Timothy and Rye Grass, while making a quick green growth do not produce a permanent lawn. You will find LEONARD'S CHICAGO PARKS mixture and LEONARD'S SHADY NOOK mixture best for a permanent lawn.



10-lb. pkg. 5-lb. pkg.
LEONARD'S CHICAGO PARKS LAWN GRASS SEED

LEONARD SEED COMPANY

333-355 West 35th Street
4845 Milwaukee Avenue

CHICAGO

100 South Canal Street
10934 Michigan Avenue

LEONARD'S SEEDS 1931

By constant stock improvement in our growing department, our stocks are of the highest quality and type obtainable, and we feel that the purchaser of Leonard's Seeds is buying the best Seeds to be had at any price.

Out of the many new varieties tested in our trial grounds, or developed by us, we have found some of exceptional merit. These have been added to our regular list. Also, many additions have been made to our flower seed list and we want to particularly call your attention to our Rock Garden Seeds, where you will find the best and most suitable varieties for this purpose.

Prices quoted are F.O.B. our stores at Chicago, cash with order. If it is not convenient for you to call at one of our stores or our Seeds are not available in your community (*thousands of dealers are handling Leonard's Seeds all over the country*), send us your order direct, adding postage at the regular Parcel Post rates to cover transportation. The rate within a radius of 50 miles of Chicago is 7 cents for the first pound and one cent for each additional pound.



Reg. U. S. Pat. Off.

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We Give No Warranty, express or implied, as to purity, description, quality, productiveness or any other matter of any Seeds, Bulbs, or Plants we send out, and we will not be in any way responsible for the crop.

LEONARD SEED COMPANY

CHOICE FLOWER SEED

Most flowers are as easy to grow as vegetables. The same practices that promote the growth of grains and vegetable and fruit apply to flowers. The same fertilizer it is well to use generously. Practically all flowers stand transplanting. Window boxes or hotbeds are good places in which to cradle the baby plants. The stored energy of seed is often somewhat in proportion to the seed's thickness, not its size. Cover the seed four times its least diameter. Drained, moist, warm, mellow soil should be the flowers' home; not soil that is wet or soil that bakes. True, there are plants that are difficult to grow, but these plants are few and respond to what we know to be ideal conditions for plants.

Flowers fall readily into three classes:

Annuals bloom, mature, seed and die the first year. Biennials bloom and die in their second year; some of them give us bloom in the first year.

Perennials flower for several years and some of them may bloom in the first year of their existence. See page 13 for perennial list.

ACROCLINIUM

Double Mixed. Free summer-flowering annual plants for garden decoration; the flowers dry as "Everlastings" for winter bouquets. Acrocliniums are also grown as pot plants for market in European cities—in full bloom the plants are showy and effective—and will stand a lot of abuse on account of the lasting quality of the flowers. Grows to a height of one foot. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

AGERATUM MEXICANUM

(Floss Flowers.) One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion. Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

AILANTHUS

(Tree of Heaven.) This splendid ornamental tree is a native of China, where it is called the Tree of Heaven, from its great beauty. It is very hardy, and thrives in any soil, no matter how poor, and grows from six to ten feet high from seed the first summer. The leaves, from five to six feet in length, give it a grand appearance. Nothing outside the tropics can rival it for lawn decoration. Large panicles of bloom followed in season by great clusters of colored seed pods make the tree a continual thing of beauty. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

ALYSSUM

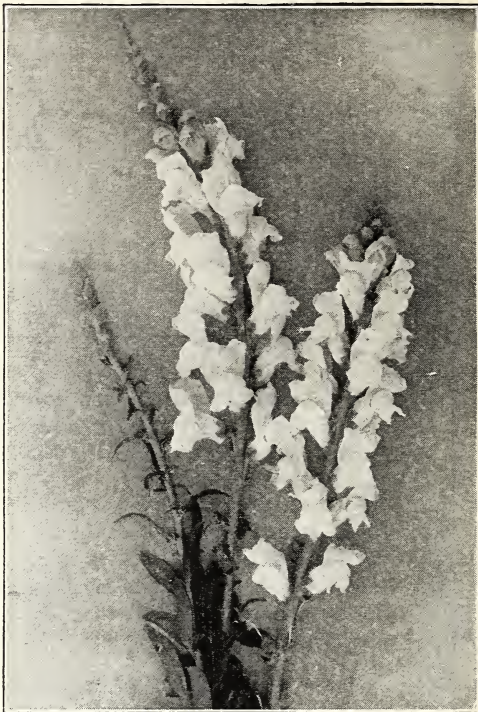
Maritimum Sweet. Free flowering plants for beds, edging, etc. Useful for bouquets because of their delicate fragrance. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c.

Little Gem, or Carpet of Snow. Of dwarf, compact habit, but 4 inches high. It begins to bloom when quite small, and the plants are a solid mass of white from spring to late autumn, and undoubtedly the best white-flowering edging plant in the list. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

Saxatile Compactum. See page 13.



ALYSSUM—LITTLE GEM



ANTIRRHINUM

AMARANTHUS

Brilliant foliage annuals, growing from 3 to 5 feet high, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants or for the center of large beds. They thrive best in a hot, sunny location, not too rich soil, and given sufficient room to develop their full beauty.

Caudatus (Love Lies Bleeding). Rapid-growing garden annual with long, drooping crimson flower spikes; height 3 feet. Pkt. 10c; oz. 25c.

Salicifolius (Willow-leaved). The leaves change in color from a bronzy green to a brilliant scarlet when the plant attains age. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

Tricolor (Joseph's Coat). Very brilliant. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

AMPELOPSIS VEITCHI

(Boston Ivy.) The favorite hardy climber with large five-lobed leaves turning to a bright red color late in the fall. Pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c.

ANTIRRHINUM

(Snapdragon). Within the last few years Snapdragons have become immensely popular. This is not to be wondered at, whether used for cutting or for show in the garden, they are one of the most valuable flowers which can readily be grown from seed. In our trials the seeds sown out of doors the first week of May came into bloom early in July, remaining in full flower until November. For earlier flowering, they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

Tall. Large Flowered. Height 30 inches.

Cardinal. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

Fire King. Orange scarlet. White Tube. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

Golden King. Giant Yellow. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

Rose King. Deep rose self. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

Rose Queen. Soft pink. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

Tall Finest Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

ARCTOTIS GRANDIS

(The African Lilac Daisy). Handsome bushy annual two feet high, flowering abundantly from early Summer until late Autumn. The beautiful, daisy-like flowers, 2½ inches across, are white, shaded with pale lilac and zoned with yellow. Pkt. 10c; $\frac{1}{4}$ oz. 30c.



AQUILEGIA OR COLUMBINE

AQUILEGIA

(Columbine). The hardy Columbines are among the earliest flowering perennials. They are easily grown, thriving in comparatively poor soil and in partial shade, and are general favorites for border planting. If sown in summer, plants will be ready by autumn for transplanting to the border to flower the next spring. Height 1 to 3 feet.

Single Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

Double Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

Coerulea, Rocky Mountain Columbine. See Page 13.



ASTER, AMERICAN BRANCHING

ASTERS

Of the general beauty of these flowers it is unnecessary to speak; the immense worldwide demand for them shows their adaptability for any climate; and, coming into bloom as they do, when most other flowers are fading away, enhances their value.

The main essential to insure fine Asters are a new rich soil, frequent cultivation, no check to their growth from start to finish and ample room to develop. When wanted for cutting with long stems they should be set out not closer than 12 inches apart in the rows and two feet between the rows. When wanted for mass effects in beds they may be planted nine inches to a foot apart each way.

Queen of the Market. These well-known, early-flowering Asters are of a branching habit, about 18 inches high, and one of the most useful types for early market purposes.

Dark blue. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Flesh Pink. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Light Blue. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Rose. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Scarlet. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

White. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Finest Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 45c.

Giant Comet or Crego. Plants robust, about two feet high. Flowers large, double and well formed, making a fine variety for all purposes.

White. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Pink. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Crimson. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Azure Blue. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Deep Rose. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Purple. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Rose Pink. Pkt. 10c; $\frac{1}{4}$ oz. 65c.

Finest Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 60c.



ASTER CREGO

American Branching. Plants $2\frac{1}{2}$ to 3 feet high, branching and robust habit. Flower large and double, throwing no single flowers.

Azure Blue. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

Crimson. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

Purple. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

Deep Rose. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

Rose Pink. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

Sensation, Brilliant Dark Red. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

White. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

Finest Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 55c.

Heart of France. Rich dark red. Plants about 2 feet high, branching habit. Flowers medium size. Pkt. 10c; $\frac{1}{4}$ oz. 75c.

Betteridge's Quilled Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 60c.

All Varieties Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 45c.

BALLOON VINE

(Love-in-a-Puff). A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons and of great interest to children. Pkt. 10c; oz. 25c.

**CANDYTUFT—WHITE****BALSAMS**

(Lady Slippers). Beautiful half hardy annuals, from one and one-half to two feet in height. Sow the seed early in frames and transplant to a well enriched border.

Double Camellia-Flowered Mixed. Pkt. 10c; ¼ oz. 25c.
Tall Double Mixed. Pkt. 10c; ¼ oz. 20c.

BELLIS—or Double Daisy

A favorite perennial which will stand the winter if given the protection of a little litter. In bloom from early Spring until well on in the Summer. Easily raised from seed, which may be sown any time from Spring till August. For best results, new plants should be raised from seed each year. Choice Mixed. Pkt. 10c; ½ oz. 50c.

BRACHYCOME

(Swan River Daisy). Free-flowering, dwarf growing annuals; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture. Height 12 inches. Pkt. 10c; ¼ oz. 40c.

CALENDULA

(Pot Marigold). The seed should be started early indoors in pots or may be sown in shallow drills in the flower bed early in Spring, when the trees are starting out in leaf. Calendulas are excellent for borders or beds and last a long time in water as cut-flowers.

Mixed varieties. Pkt. 10c; oz. 35c.

Double Orange King. An extra fine strain of this splendid double rich, orange-red variety, producing flowers over 3 inches in diameter. Pkt. 10c; oz. 35c.

CALLIOPSIS

(Tickseed). Very graceful for border plants, supplying throughout the summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

Drummond's Golden Wave. Pkt. 10c; ¼ oz. 25c.
Mixed. Pkt. 10c; ¼ oz. 25c.

CAMPANULA—Medium

(Canterbury Bell). Very ornamental, growing about two feet high, producing beautiful, large, bell-shaped flowers, which make a glorious display when planted in large beds. Single Mixed. Pkt. 10c; ¼ oz. 25c.

CANARY BIRD VINE

A beautiful rapid growing annual climber, the charming little canary-yellow blossoms bearing a fancied resemblance to a bird with its wings half expanded. The sprays of flowers are very artistic and keep when cut in good condition for a week. Height 10 to 20 ft. Pkt. 10c; oz. 45c.

CARDINAL CLIMBER

(Ipomoea Quamoclit). Strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like foliage and covered with a blaze of circular cardinal-red flowers from mid-summer until frost. Delights in a warm, sunny situation and good soil. Pkt. 10c; ½ oz. 35c.

CANDYTUFT

(Iberis). Showy, branching plants 12 to 15 inches high and bearing in profusion terminal clusters of beautiful single cruciform flowers in a wide range of colors. Considered indispensable for cutting and very effective in beds, masses or rockeries.

If sown in Spring in rich, mellow soil the plants will usually bloom from July to September or if in the Fall will be likely to blossom from the last of May to July. Make rows about one foot apart and cover the seeds with about one-fourth inch of fine soil firmly pressed down. When two inches high thin to four inches apart in the row. Larger flowers are obtained if some of the branches are removed, and an abundance of water is desirable. Hardy annual.

Coronaria Empress White. Pkt. 10c; ½ oz. 30c.

Umbellata, Finest Mixed. Pkt. 10c; ½ oz. 25c.

Gibraltarica, Lilac. See page 13.

Sempervirens, White. See page 13.

CARNATION

Margaret. These carnations have created a universal sensation, not only on account of their beautiful colors but, unlike all others, they bloom in about four months from sowing the seed. Bloom until checked by frost. Height 18 inches. Mixed. Pkt. 10c; ¼ oz. 40c.

CELOSIA CRISTATA

(Cockscomb.) Very popular annuals of easy culture, producing large ornamental, comb-like heads resembling ruffled chenille. They are prized for Summer flower beds and make fine pot plants; height, 12 to 18 inches. Tall Mixed. Pkt. 10c; ¼ oz. 25c.

Finest Mixed Dwarf. Pkt. 10c; ¼ oz. 50c.

Childsii, (Chinese Wool Flower). The flowers are ball-shaped and resemble a ball of wool. The plants will average two feet in height. They branch freely and by mid-Summer are simply covered with blooms. It keeps blooming all during the fall and retains its full beauty and color until severe frost destroys it. Pkt. 10c; ¼ oz. 50c.

CERASTIUM TOMENTOSUM. See page 13.

CHRYSANTHEMUMS

Handsome hardy annuals producing quantities of large flowers of striking colors, making a brilliant display.

Carinatum, Single Tricolor. Pkt. 10c; oz. 40c.

Double Mixed. Pkt. 10c; oz. 30c.

**CARNATION**

**COSMOS—DOUBLE CRESTED****CENTAUREA CYANUS**

(Double Cornflower). These are also known as Bachelor's Buttons, Blue Bottle, and Ragged Sailor. A showy hardy annual succeeding well in any soil, and bearing a profusion of flowers in shades of pink, blue and purple. 3 feet.

Double Finest Mixed. Pkt. 10c; oz. 50c.

Single Mixed (Bachelor Button). Pkt. 10c; oz. 40c.

CENTAUREA IMPERIALIS

(Sweet Sultan). This class produces large, very double, finely lacinated flowers of graceful form and delicious fragrance. They are very desirable for cut flowers and will often last for over a week when placed in water. They should be cut before the blossoms are fully opened. Plants 2½ to 3 ft. high. Pkt. 10c; oz. 50c.

CENTAUREA CANDIDISSIMA

(Dusty Miller). Thick silvery white leaves. Should be sown early. Pkt. 10c; ½ oz. 40c.

COREOPSIS

Laceolata Grandiflora. This is one of the finest hardy plants, with large showy, bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants, having long stems and lasting in good condition a week or more. Easily grown from seed, flowering the first year; 30 inches. Pkt. 10c; ¼ oz. 25c.

CYPRESS VINE

(*Ipomea quamoclit*). A most beautiful rapid growing climber with delicate dark green, feathery foliage and many bright star-shaped, scarlet or white blossoms. Planted by the side of veranda, tree or stakes, and trained properly, there is no handsomer climber.

Seed is usually sown outdoors early in spring in the row where plants are to remain. Cover seed one-half inch deep. Germination will be hastened if the soil is warm and kept in moist condition. Thin the young plants four to six inches apart. Tender annual; about 15 feet high.

Mixed. Per pkt. 10c; oz. 30c.

DAHLIA

Sow the seeds early in pots or under glass, and transplant to strong, deep, rich soil, and plants will bloom the first season.

Single Varieties. Splendid mixture. Handsome bedding plant, and extensively used for cutting. Per pkt. 10c; ¼ oz. 50c.

Double Mixed. Seeds saved from fine named sorts. Per pkt. 10c; ¼ oz. 60c.

COSMOS

Few flowers have undergone greater improvement within recent years than the Cosmos. This is due, perhaps, to the fact that they are in such great demand for cut flowers. The New Crested Cosmos is a distinct type. The flowers are double-crested, having double centers, with a row of guard petals around the base. By combining the beautiful crested flowers with the long stiff stems clothed with graceful, lace-like foliage, the result is a decorative garden and cut-flower par excellence. Sow in April in pots or in the hot bed, and transplant one foot apart.

Double Crested Mixed. Per pkt. 15c; ¼ oz. 60c.

Extra Early Mammoth Flowering Mixed. In this splendid mixture are monster pink and white flowers, beautiful crimson shade, delicate white and mauve, daintily tinted and clouded with pink and mauve. Some large, white blossoms have broad plaited petals and pinked edges. Per pkt. 10c; ¼ oz. 15c.

DAISY

Shasta, Alaska. Is perfectly hardy, grows anywhere and blooms more abundantly each season. The flowers are very large, a foot or more in circumference, growing on large stems, with two rows of broad, pure white petals and a yellow center. Height 3 ft. Per pkt. 10c; ¼ oz. 65c.

DELPHINIUM

(Perennial Larkspur). Flowers remarkable for their great beauty, diversity of shades, and striking appearance. Desirable for mixed borders.

Sow the seeds in early Spring indoors or in hotbeds in shallow boxes. When the seedlings are about three-quarters of an inch high, transplant to flats three or four inches apart each way, transferring them to the open ground when the weather is suitable.

Hybridum. Fine Mixed. Per pkt. 10c; ¼ oz. 60c.

Belladonna Hybrids. Graceful open spikes with large flowers of light turquoise blue color. Hardy perennial 2 to 3 ft. high. Pkt. 10c; ¼ oz. 75c.

Hollyhock Strain. This strain is a fine mixture of all light shades, pale, clear blue predominating. The flowers are large, truly double, well placed on long, pyramidal spikes, their sturdy growth and general appearance reminding one of a Hollyhock, hence the name. Pkt. 25c.

**DELPHINIUM—HOLLYHOCK**



**GAILLARDIA PICTA SINGLE
DIANTHUS**

(Pinks.) These flowers are without a superior among annual garden plants. Bloom continually all Summer long and are most beautiful and lasting cut flowers. Of easy culture, and bloom the first year from seed. Very fragrant.

Chinensis. Flowers very double and of many bright colors. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Heddewigi. Colors varying from the richest velvety crimson to the most delicate rose.

Double Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

Single Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Plumarius Caesius (Cheddar Pink). See page 13.

Deltoides. See page 13.

ESCHOLTZIA

(California Poppy.) Seed may be sown at any time during the Spring, the earlier the better where they are to remain as they do not stand transplanting. For beds of any size or as a border, are one of the most desirable annuals as they bloom profusely over a long season in any sunny position. As cut flowers they are very artistic and when used for this purpose, should be cut when in bud. 1 ft.

Escholtzia. Finest Mixed. Per pkt. 10c, oz. 25c.

EUPHORBIA

(Snow-on-the-Mountain.) Leaves edged with pure white. Per pkt. 10c, $\frac{1}{4}$ oz. 30c.

FOX GLOVE

(Digitalis.) Beautiful biennial flowers for the tall border, with towering spikes of conical, bell-like blossoms and large, sage-green foliage at the base. Although they self-sow, they are best treated as biennials, blooming the second season from seed sown during spring or summer. Height three feet six inches.

Grandiflora, Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 35c.

GAILLARDIA

(Blanket Flower.) One of the most showy and brilliant of garden flowers, fine for bedding and cutting, producing large flowers of rich shades throughout the Summer.

Sow seed outdoors early in Spring; cover one-fourth inch deep. Make rows eighteen inches apart and thin eight to ten inches apart in the row; or a longer season of bloom may be secured by planting in frames and transplanting. Plants one to one and one-half feet high.

Grandiflora, Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 40c.

Picta. Annual. Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer till November; excellent for beds, borders or for cuttings; should be sown where there are to bloom. One and one-half feet.

Double Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 40c.

Single Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

GLOBE AMARANTH

(Gomphrena.) Tender annuals about 2 ft. high, very ornamental in the garden. The flowers will retain their beauty for a long time if gathered and dried as soon as they are open. Pkt. 10c, oz. 35c.

GOURDS

Mixed Varieties. Rapid growing, interesting annual climbers, with ornamental foliage and singular shaped fruit, 15 to 20 feet. Pkt. 10c, oz. 30c.

Dipper. Useful for dippers; fruits long, bottle shaped, with straight or slightly crooked neck. Pkt. 10c, oz. 30c.

GYPSOPHILA

(Baby's Breath) Elegans Alba. Pretty, free-flowering, elegant plants, succeeding in any garden soil. Their misty, white panicles of bloom are largely used for mixing with other cut flowers. Pkt. 10c, oz. 25c. Repens White. See page 13.

HELICHRYSUM

(Straw Flower.) Large full, double daisy-like flower heads with prominent centers and stiff overlapping scales, produced in various shades of bright yellow and scarlet on stems of good length. Desirable as dried specimens and for use in making Winter bouquets. For this purpose the flowers should be gathered when on the point of expanding.

Sow early in Spring; thin to one foot apart each way. Hardy annual; two to two and one-half feet high.

Monstrosum, Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

HOLLYHOCKS

One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not attainable with any other plant. For planting among shrubbery or forming a background for other flowers, it is without equal. Seeds should be sown in June or July to have flowering plants the next Summer, or, if sown in the house early in the Spring they will bloom the first year.

Allegheny, Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 50c.

Annual Single, Finest Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

Choice Double Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 65c.



HELICHRYSUM



MARVEL OF PERU HYACINTH BEANS

(*Dolichos*). A fine climber with clusters of purple or white flowers followed by ornamental seed pods. Tender annual; from 10 to 15 ft. high. Mixed. Pkt. 10c; oz. 25c.

ICE PLANT

(*Mesembryanthemum Crystallinum*). Dwarf-trailing annual plants; 8 inches. Flowers white; prized for its singular icy foliage. Pkt. 10c; ¼ oz. 20c.

IPOMOEA

Moonflower, White Seeded. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly and will cover a large surface. Pkt. 10c; oz. 65c.

Rubro Coerulea (Heavenly Blue). The flowers measure from 3½ to four inches across, sky-blue with a white throat. They are profuse bloomers and during a long season the vines are a mass of baby-blue blossoms. Sow seed in pots and plunge pots in ground as they are rank growers and roots should be confined. Pkt. 10c; ¼ oz. 30c.

Imperialis (Japanese Morning Glory). The flowers of this variety are of largest size, often three inches or more across; some are brilliant red or rich blue, others are equally brilliant, with broad margins of clear white; some are striped or dotted with blue or red on white or lemon yellow ground, others are clouded with blue and red. The foliage in some plants comes plain green, in others it is mottled with white and shades of yellow or yellowish green. Seed black, larger than other varieties of Morning Glory. Mixed. Pkt. 10c; oz. 25c.

JOB'S TEARS

(*Coix Lacrymae*). An ornamental grass with curious seeds which may be used as beads. Pkt. 10c; oz. 25c.

KOCHIA CHILDSII

(Summer Cypress), (Burning Bush). The plants are always of globe-like form, branching freely, the stems being covered with delicate light green foliage. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire. Very showy when planted singly to show the round ball-like form. Pkt. 10c; oz. 25c.

LANTANA

This showy greenhouse plant forms a small bush, covering itself with pink, yellow and orange flowers and also flowers of changeable color. Start in the house. Fine varieties mixed. Pkt. 10c; ¼ oz. 30c.

LARKSPUR

The Larkspur with its long clustered spikes of beautiful irregular flowers, often with long spurs, is especially valuable for its shades of blue. The annual forms are very desirable for bedding and the perennials are strikingly effective as a background for borders and for planting among shrubbery. Seed of annual varieties may be sown outdoors early in Spring. For earlier blooming start very early indoors or sow in Fall. Thin one to one and one-half feet apart. The perennial sorts are sown in Fall or early in Spring.

Dwarf Mixed, Double. Pkt. 10c; ¼ oz. 25c.
All Sorts, Mixed. Pkt. 10c; ¼ oz. 25c.

LATHYRUS LATIFOLIUS

(Everlasting Peas.) Showy free flowering hardy perennial climbers for covering old stumps, fences, etc. Continually in bloom, fine for cutting. Mixed. Pkt. 10c; ¼ oz. 25c.

LINUM GRANDIFLORUM RUBRUM

(Scarlet Flax.) This is a very pretty dwarf annual. The rich crimson flowers last only a day but they are borne continuously until frost. Makes a splendid subject for massing or may be planted as edging for borders or lawn. Pkt. 10c; ¼ oz. 20c.

LOBELIA

The annual Lobelias are plants of dwarf growth, 4 to 6 inches in height, covered with numerous small star-like flowers. The compact varieties are very pretty when grown as an edging for flower-beds or in formal beds. The seed should be sown in boxes filled with fine soil and placed in a warm, sunny window, or in shallow drills outdoors when the trees are starting out in leaf, barely covering the seed from view. The plants will bloom continuously from June until frost. Mixed. Pkt. 10c; ½ oz. 25c.

LUPINUS

Showy, hardy plants from 2 to 3 feet high, producing spikes of attractive flowers.

Blue. Pkt. 10c; oz. 40c.

Yellow. Pkt. 10c; oz. 40c.

MARIGOLD

The African and French Marigolds are old favorite free-flowering annuals of easy culture; both are extremely effective. The former have uniformly large yellow or orange-colored flowers; are well adapted for large beds or mixed borders. The latter are more dwarf in growth, with beautifully striped flowers and better suited for bedding purposes or for pot culture. They succeed best in a light soil, with full exposure to the sun.

African Tall Double Finest Mixed. Pkt. 10c; ¼ oz. 30c.

French Tall Double Finest Mixed. Pkt. 10c; ¼ oz. 30c.

French Dwarf Double Finest Mixed. Pkt. 10c; ¼ oz. 30c.

MARVEL OF PERU

(Four o'Clock). Beautiful Summer-blooming annuals of bushy habit, two feet high, each plant bearing throughout the season hundreds of large flowers of white, yellow, crimson or striped. The flowers remain tightly closed until about four o'clock in the afternoon, when they all open together and the plants become a glowing mass of vivid colors. Can be used as hedge. All Colors, Mixed. Pkt. 10c; oz. 20c.



MARIGOLD—TALL DOUBLE

MIGNONETTE

A general favorite on account of its delightful fragrance. Blooms throughout the season. Sow from middle of April to middle of June.

Odorata, Grandiflora. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Special Mixture Large-flowering Sorts. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Machet. Of dwarf pyramidal growth, bearing numerous flower stalks, highly colored and very fragrant; one of the best. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

MOMORDICA

Curious climbing vine with ornamental foliage and golden warted fruit which opens, showing the seed and its brilliant carmine interior. For trellises and rockwork. Height 6 to 10 ft.

Balsamina (Balsam Apple). Has orange colored, apple-shaped fruit and yellow flowers. Pkt. 10c; $\frac{1}{2}$ oz. 25c.

Charantia (Balsam Pear). Pear-shaped yellow fruit. Like Balsam Apple but much smaller. Pkt. 10c; $\frac{1}{2}$ oz. 25c.

MORNING GLORY

(Convolvulus Major). Climbing plants; unequalled for rapidity of growth and profusion of bloom. annuals attaining height of 30 to 50 feet. Mixed. Pkt. 10c; oz. 20c.

Giant Japanese (See Ipomoea).



MYOSOTIS (FORGET-ME-NOT)

MYOSOTIS

(Forget-Me-Not). A very pretty, little hardy perennial, about 6 inches high. Will thrive best in a cool, moist situation, and is well adapted for bedding or rock-work.

Alpestris, Blue. Dwarf, free-flowering bushes, excellent for borders or beds. Light blue flowers, standing out sharply from the rich green foliage. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Alpestris, Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

NASTURTIUM

There is no plant that in so short a time at so little expense will give such an abundance of bloom, continue that blooming over so long a period and give such variety and brilliancy of color as the Nasturtium. On a rich soil this plant gives us a more robust growth and fewer flowers, so the thinner soil is to be used if there is a choice. When the frost is no more to be feared, sow the seed one inch deep where the plant is to grow and remember to pick the seed balls as they form, to continue the plant's blooming. This sweet-scented plant lasts long as a cut-flower but is most frequently used as a tapestry to blanket some unsightly fence or pile of stone.

TALL OR CLIMBING

Crimson. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Dunnett's Orange. Bright orange. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

King Theodore. Rich deep red. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Scarlet. Rosy scarlet. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Schultzei. Dark scarlet. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Lobbianum, Tall Giant of Battles. Amber yellow, spotted bright red. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Tall Finest Mixed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.



NASTURTIUM

DWARF

Cloth of Gold. Flowers scarlet, foliage yellow. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Empress of India. Deep crimson. Dark leaves. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Golden King. Yellow flower. Dark leaves. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

King Theodore. Rich red. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Ruby King. Bluish rose. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

QUEEN OF TOM THUMB. Variegated leaved. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Dwarf Finest Mixed. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

NEPETA, MUSSINI. See page 13.

NICOTIANA

(SWEET SCENTED TOBACCO PLANT). Fine for bedding or for planting as a background in borders for lower growing plants. The seed should be started indoors in March and the plants set out in May when the weather has become warm. The stately plants bloom from mid-summer on. Height about 3 ft.

Affinis. Large flowers which are fully expanded only in the morning, evening and on cloudy days. Very fragrant. White. Pkt. 10c; oz. 45c.

NIGELLA HISPANICA

(Love-in-a-mist.) A curious plant about one foot high, with finely cut leaves and single flowers. Choice Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

OENOTHERA MACROCARPA. See page 13.

PANSY

Seed may be sown indoors very early in Spring, or a little later in the open ground, and transplanted when an inch high. Such plants will commence to bloom in June. If sown in July, the plants will bloom in the Fall, or if sown in September, the following Spring. Well pulverized soil should be used and the seeds covered one-eighth to one-fourth inch deep with fine soil firmly pressed down. The largest and best flowers are produced by young plants which have been grown rather slowly in a partially shaded situation and in a very rich soil; coolness and moisture are necessary. A situation sheltered from high winds and exposed to the morning sun is most favorable and frequent sprinklings are advantageous. Grown indoors, pansies make a good winter blooming pot plant. Hardy perennial but usually grown as an annual or biennial. Four to six inches high.

Masterpiece, Giant Frilled. This strain comes nearer to the Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in any other pansy flower but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt. 25c; $\frac{1}{8}$ oz. 75c.

Bugnots, Large Blotched, Extra Choice. This splendid variety produces flowers of immense size and of the most varied and attractive markings and colors. Pkt. 25c; $\frac{1}{8}$ oz. 70c.



PANSY TRIMARDEAU

Leonard's Special Strain of Giant Five-Spotted. Enormous size Pansies of rich velvety texture. Pkt. 25c; $\frac{1}{8}$ oz. 75c.

Trimardeau Giant. The blossoms are simply enormous, perfect in form and run through all the varieties of colors, from the lightest shade to the darkest purple. Marked with three large blotches. Pkt. 15c; $\frac{1}{8}$ oz. 35c.

CHOICE PANSY PLANTS MAY ALSO
BE HAD IN SEASON AT ANY
OF OUR STORES

PETUNIAS

For outdoor planting, porch or window boxes, few plants equal the Petunia in effectiveness. They commence flowering early and continue to bloom throughout the season until killed by frost; easily cultivated, only requiring a good soil and sunny position. It is best to sow them indoors and transplant to the open in May. The bedding kinds can be sown out of doors in May.

Hybrida Special Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
Hybrida Scarlet. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
Hybrida White. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
Hybrida Striped and Blotched. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
Balcony type, single large flowering sorts, excellent for window boxes, hanging baskets, etc. Flowers average 3 inches across; bloom over a long season.
Balcony Deep Blue. Pkt. 20c; $\frac{1}{8}$ oz. 60c.
Balcony Red. Pkt. 20c; $\frac{1}{8}$ oz. 60c.
Balcony White. Pkt. 20c; $\frac{1}{8}$ oz. 60c.
Balcony Rose. Pkt. 20c; $\frac{1}{8}$ oz. 60c.
Balcony Mixed. Pkt. 20c; $\frac{1}{8}$ oz. 60c.
Grandiflora Single Fringed, Mixed. Pkt. 25c.
Rosy Morn. Pink with white throat, fine for bedding. Pkt. 20c; $\frac{1}{8}$ oz. 50c.

PHLOX

In its great variety of rich colors, probably the most brilliant of all annuals. Fine for bedding, making a dazzling show throughout the entire season.

Seed is usually sown very early in spring outdoors in rows one foot apart. A sunny situation is desirable. Well pulverized soil, preferably rich and mellow, should be used and the seed, which germinates rather slowly, covered with about one-fourth inch of fine soil firmly pressed down. Thin to four inches apart. For very early blooming, seed may be sown outdoors in fall, or started indoors and transplanted early in April. Hardy annual; one foot high.

DRUMMONDI

Crimson. Pkt. 10c; $\frac{1}{4}$ oz. 50c.
Lilac. Pkt. 10c; $\frac{1}{4}$ oz. 50c.
Primrose. Pkt. 10c; $\frac{1}{4}$ oz. 50c.
Scarlet. Pkt. 10c; $\frac{1}{4}$ oz. 50c.
Rose. Pkt. 10c; $\frac{1}{4}$ oz. 50c.
White. Pkt. 10c; $\frac{1}{4}$ oz. 50c.
Choice Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 40c.
STAR MIXED. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

PHYSALIS FRANCHETI

(Chinese Lantern Plant). Forms dense bushes about 2 feet high, with bright orange-scarlet, lantern like fruits. Flower first year from seed if sown in April. The fruits are very interesting and of splendid decorative value. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

POPPY

Showy, large, brilliant colored flowers, growing freely in any garden soil. Produce a fine effect in clumps or beds.

Double Carnation Flowered, Finest Mixed. Splendid double-fringed flowers, mixed colors. Pkt. 10c; oz. 35c.

Double Paeony Flowered, Finest Mixed. Large, showy, double globular flowers, resembling a double Paeony. Mixed colors. Pkt. 10c; oz. 30c.

Shirley. The absence of black gives them their wonderful light, bright tissue-paper-like appearance. The colors range from purest white, through pinks of all shades, to glowing scarlet, but a scarlet without black. Double Shirley Eldorado. Fine Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

Single Shirley. Finest Mixed. Pkt. 10c; oz. 30c.

Tall, Single, Annual Mixed. Pkt. 10c; oz. 30c.

Dwarf, Single, Annual Mixed. Pkt. 10c; oz. 30c.

Orientele, Choice Mixed. Among hardy perennials these hold an unrivaled position for gorgeous effectiveness in gardens and hardy borders. Height 2 to 3 feet; flowers immense, often 6 inches or more across. They are also grand, cut in bud state, for vases. The seed should be sown in the open ground in June or July in order to bloom the following Summer. Pkt. 15c; $\frac{1}{4}$ oz. \$1.00.

Iceland. While these are hardy perennials, they flower the first year from seed. Are of graceful habit, with bright green, fern-like foliage, formed in tufts, from which issues slender stalks about 15 in. high, bearing their brilliant flowers in endless profusion. For cutting, pick when in bud and if the seed pods are picked off, continue in flower the entire season.

All colors mixed. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

PORTULACA

(Moss Rose). Brilliant garden annuals, 6 inches high, luxuriating in warm, dry, sunny situations and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

Double Fine Mixed. Pkt. 15c; $\frac{1}{8}$ oz. 50c.

Single, Fine Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

RICINUS

(Castor Oil Plant). A highly ornamental, half-hardy annual, growing from four to six feet high, presenting quite a tropical appearance; select warm, dry soil and plant six feet apart.

Zanzibariensis (Zanzibar Castor Bean). Very showy, with gigantic leaves which range from brilliant copper-bronze to light and dark green; the ribs also are bright colors, making a beautiful contrast with the leaves. Pkt. 10c; oz. 25c.

Sanguineus. Blood red stalks and clusters of red fruit, 7 ft. Pkt. 10c; oz. 25c.

Mixed, all sorts. Pkt. 10c; oz. 20c.



PANSY, LEONARD'S GIANT FIVE-SPOTTED

**SCABIOSA****SALPIGLOSSIS**

Variabilis Grandiflora, **Finest Mixed**. Flowers two to three inches in diameter, vividly marked, spotted and striped on ground colors of deep blue, rose, violet, yellow, reddish bronze, purple, etc. In rich coloring they vie with Orchids in mixed colors. **Pkt. 10c, 1/4 oz. 40c.**

SALVIA

Very ornamental plants, two to three feet high, producing tall spikes of gay flowers. Sow early in hotbed or in pots in the house, and transplant two feet apart. Half hardy.

Bonfire. The finest Salvia for bedding. Very compact, oval bushes about two and one-half feet high, with long spikes of brilliant scarlet flowers. **Pkt. 15c, 1/8 oz. 60c.**

Splendens (Scarlet Sage). Well known bedding plants carrying long, flaming flower spikes, making a fine display until frost. **Pkt. 15c, 1/8 oz. 45c.**

Fireball. A compact type and popular for beds and borders requiring a variety of dwarfer habit than the regular Scarlet Sage. **Pkt. 15c, 1/8 oz. 5c.**

SAPONARIA, COYMOIDES. See Page 13.

SCABIOSA

(Mourning Bride) (Pin Cushion Flower). A class of beautiful hardy annuals, from 1 to 2 feet high; valuable for cutting, as they remain a long time in bloom and do not droop easily.

Large Flowering, Tall Double Mixed. **Pkt. 10c, 1/4 oz. 30c.**

STATICE LATIFOLIA. See Page 13.

STOCKS

Half-hardy annuals, producing splendid spikes of very rich and beautiful flowers of delightful fragrance. For early flowering sow early in spring in pots or in hotbed, and transplant one foot apart. Bloom from June until November.

Large Flowering Dwarf Ten Weeks. **Finest Mixed**. **Pkt. 10c, 1/8 oz. 30c.**

Mammoth Early Branching. **All Colors Mixed**. **Pkt. 10c, 1/8 oz. 30c.**

SUNFLOWER

(Helianthus). **Dwarf Chrysanthemum Flowered**. Magnificent flowers 6 to 8 inches in diameter, densely double, the petal long and fringed; color, rich orange. The plants, 6 to 7 feet high, carry many of these noble flowers. **Pkt. 10c, oz. 40c.**

Mammoth Russian. The old-fashioned Sunflower. **oz. 10c, 1/4 lb. 20c, lb. 45c.**

SWEET PEAS. See Page 12.

SWEET WILLIAM

A hardy perennial blooming the second year from seed. Grows one to two feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowerets are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture.

Single Mixed. **Pkt. 10c, 1/4 oz. 30c.**

Double Mixed. **Pkt. 10c, 1/4 oz. 50c.**

Annual Finest Mixed. **Pkt. 10c, 1/4 oz. 50c.**

TEXAS BLUE BONNET

(Lupinus Texanus). A native of Texas. Charming variety with dark blue and white flowers. 1 foot. **Pkt. 10c, 1/4 oz. 25c.**

TUNICA SAXIFRAGA. See Page 13.

VINCA

(Periwinkle). Are most attractive with their dark green, glossy leaves and their beautiful and large flowers. The compact plants grow 15 inches tall. Whether used for borders or solid beds, they will always attract attention. The flowers measure 1 1/2 inches across. Sow the seed thinly after the trees are out in leaf and thin out to six inches.

Alba Pure White. **Pkt. 10c, 1/2 oz. 50c.**

Rosea. Rose with crimson eye. **Pkt. 10c, 1/2 oz. 50c.**

Mixed. **Pkt. 10c, 1/2 oz. 45c.**

WALLFLOWER

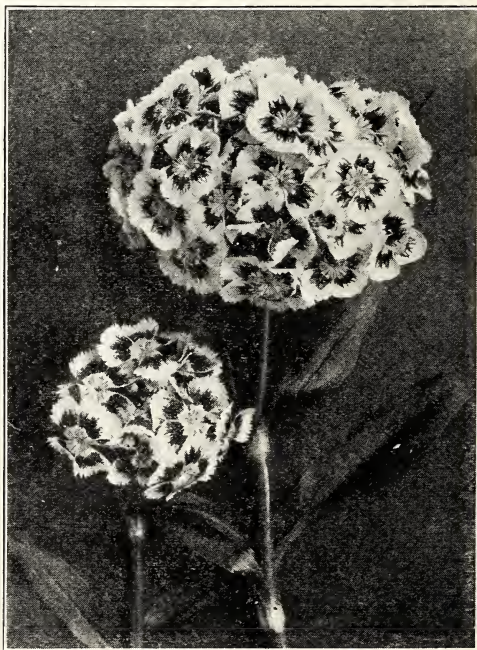
Well-known deliciously fragrant, half hardy perennials, blooming early in the Spring, with spikes of beautiful flowers. In the North they should be protected in a cold frame in the winter and planted out in April.

Single Mixed, All Colors. **Pkt. 10c, 1/4 oz. 20c.**

Double Choice Mixed. **Pkt. 15c, 1/8 oz. 50c.**

WILD FLOWER MIXED

A splendid mixture of beautiful, free-blooming, hardy flowers, which can be offered at a much less price than when sold separately. **Pkt. 10c, oz. 20c.**

**SWEET WILLIAM**



VERBENA
VERBENA

They thrive in almost any situation and in all good garden soils. They make attractive borders and beds, blooming profusely from June until October. Fine for pot culture. Sow the seed during March or April indoors, and set out during May.

Mammoth Scarlet. Pkt. 10c, $\frac{1}{4}$ oz. 60c.
Mammoth White. Pkt. 10c, $\frac{1}{4}$ oz. 60c.
Mammoth Pink Shades. Pkt. 10c, $\frac{1}{4}$ oz. 60c.
Mammoth Blue Shades. Pkt. 10c, $\frac{1}{4}$ oz. 60c.
Mammoth Choice Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 40c.



ZINNIA, DAHLIA FLOWERED

ZINNIAS

Youth and Old Age. This old garden favorite has been much improved and the fine strain of giant-flowered varieties and other remarkable new forms are taking place in our flower-gardens. Zinnias grow well and bloom freely even under the most adverse circumstances of location and weather and may be counted upon for a continuous show of blooms from July until frost. Sow the seed outdoors as soon as the nights are quite warm. To secure early flowers, sow the seed indoors the middle of March and transplant into the garden early in May. The giant varieties grow two to three feet tall and bear a profusion of mammoth size flowers measuring four and even five inches in diameter.

DAHLIA FLOWERED

Exquisite. Light rose with center a deep rose. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Old Rose. 1s of the real Old Rose shade. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Golden State. A very rich, orange yellow. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Crimson Monarch. The largest and best of the red shades. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

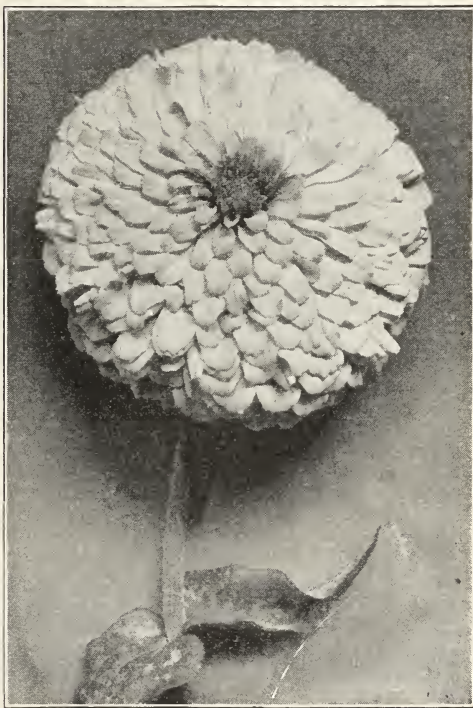
Scarlet Flame. A large, beautiful, bright scarlet with a blending of orange throughout the petal. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Griole. Immense orange and gold bicolor, changing slightly as it ages. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Dream. A fine, deep lavender, turning to purple. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Polar Bear. Large pure white, the best white Zinnia. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

All Colors Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 30c.



ZINNIA, DOUBLE GIANT

DOUBLE GIANTS

Burnt Orange. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Crimson, best red. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Deep Flesh. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Purple. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Scarlet. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Shrimp Pink. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

White. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Sulphur Yellow. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

All Colors Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 20c.

ELEGANS LILLIPUT. Small double flowers for borders.

Finest Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

ELEGANS. Tall Double. All Sorts Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

SWEET PEAS

If possible, for Sweet Peas spade deeply a well-drained soil in the fall and add any good compost, including some wood ashes or lime. As early as the ground can be worked in spring plant the peas in a trench five inches deep and cover with one inch of sand or fine soil. When the peas are well above the ground fill the trench

and thin the peas to stand two to three inches apart in the row. When planted, or very soon afterward, set some four to five-foot supports. Muleh with lawn trimmings, water thoroughly once a week and cut frequently to keep the plants flowering.

SPENCER VARIETIES

- Apple Blossom.** Rose and blush. Waved. Pkt. 10c; oz. 25c.
Asta Ohn. Pinkish lavender. Pkt. 10c; oz. 25c.
Barbara. Lovely soft salmon. Pkt. 10c; oz. 25c.
Blue Monarch. Large dark blue self. Pkt. 10c; oz. 25c.
Bridesmaid. Salmon-pink on cream. Pkt. 10c; oz. 25c.
Constance Hinton. Black-seeded white. Pkt. 10c; oz. 25c.
Countess Spencer. A deep pink. Pkt. 10c; oz. 25c.
Dora. Rosy cerise, cream wings. Pkt. 10c; oz. 25c.
Fiery Cross. Deep cerise, shaded orange. Pkt. 10c; oz. 25c.
Floradale Purple. A lovely purple. Pkt. 10c; oz. 25c.
George Herbert. Bright rosy carmine. Pkt. 10c; oz. 25c.
Illuminator. Salmon orange, overlaid cerise. Pkt. 10c; oz. 25c.
King Edward. Deep crimson carmine. Pkt. 10c; oz. 25c.
King White. Large pure white. Pkt. 10c; oz. 25c.
Margaret Atlee. Rosy salmon buff. Pkt. 10c; oz. 25c.
Maroon Prince. Flowers are of great size, beautifully waved and borne freely in threes and fours. Color a rich, deep glowing, reddish maroon. Pkt. 10c; oz. 50c.
Pinkie. One of the best and largest Sweet Peas ever introduced. Strong, vigorous growth. Color a charming rose-pink. Pkt. 10c; oz. 25c.
Royal Purple. Rich purple. Pkt. 10c; oz. 25c.
Senator. Claret Stripes on Heliotrope. Pkt. 10c; oz. 25c.
The President. Dazzling orange scarlet. Pkt. 10c; oz. 25c.
Warrior. Giant maroon. Pkt. 10c; oz. 25c.
Wedgwood. A pure blue. Pkt. 10c; oz. 25c.

MIXED SWEET PEAS

Spencer Varieties Mixed. A very fine mixture of named varieties of true Spencer's which make very large blooms and fancy flowers. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$1.90.

Leonard's Fancy Mixed. The best blending of the choicest named varieties. No better mixture can be had. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Eckford Mixed. A very choice mixture of the Grandiflora types. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.35.

Choice Mixed. A studied and carefully made good mixture of all the standard sorts, not a haphazard throwing together of whatever may be found. A statement we feel we should repeat for you is this, that for the price there are no Sweet Peas sold that compare with our Choice Mixed Sweet Peas. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.



PINKIE

GRANDIFLORA VARIETIES

- America.** Crimson scarlet striped on white.
Aurora. Orange rose striped on white.
Black Knight. A very deep maroon.
Blanche Ferry. Pink and white.
Countess of Radnor. Lavender.
Dorothy Eckford. Pure white.
Helen Pierce. White marbled blue.
Hon. Mrs. E. Kenyon. Light primrose.
Janet Scott. Deep pink.
Katherine Tracy. Pink.
King Edward VII. Bright red.
Lady Grisel Hamilton. Lavender.
Lord Nelson. Rich deep navy blue.
Miss Wilmott. Orange pink.
Mrs. Walter Wright. Rose purple.
Othello. Deep maroon.
Prima Donna. Pure self pink.
Queen Alexandra. Deep scarlet.

PRICES ON ALL THE ABOVE, PKT. 10c; OZ. 15c.

SEEDS FOR YOUR ROCK GARDEN



Alyssum Saxatile Compactum. Showy bright yellow flowers, hardy perennials; excellent for rockwork and edge of borders. Pkt. 10c; ¼ oz. 60c.

Aguilegia, Coerulea, Rocky Mountain Columbine. Blue and white flowers during June. Pkt. 20c; ¼ oz. 75c.

Candytuft, Gibraltarica, lilac. A splendid flowering variety with lovely blooms of a light rose shade. The plants flower from April till June. Fine for rock gardens. Pkt. 20c; ¼ oz. 75c.

Candytuft, Sempivirens, white. A favorite perennial for edging or rock gardens. Blooms during Spring and makes a wonderful show with its white flowers. Pkt. 20c; ¼ oz. \$1.00.

Cerastium Tomentosum (Snow in Summer). A very pretty dwarf, white leaved edging or rock plant, bearing small white flowers, hardy perennial. Pkt. 20c; ¼ oz. 80c.

Dianthus, Plumarius Caesius (Cheddar Pink). A splendid rock plant, forming dense tufts a few inches high and sweet scented bright rosy-pink flowers in May and June. 1 foot. Pkt. 15c; ¼ oz. 75c.

Dianthus Deltoideus. A dwarf variety with lovely bright pink blooms. Often called Maiden Pink. Grows 12 inches tall and is planted extensively in rock gardens. Pkt. 25c; ¼ oz. \$1.00.

Gypsophila Repens White (Dwarf Baby's Breath). Trailing, light gray foliage with small white or pale rose flowers in June and July. Height 6 inches. Pkt. 25c; ¼ oz. \$1.60.

Nepeta, Mussini. An excellent plant for any location but especially useful in rock gardens. It is of compact habit, forming dense tufts about 12 inches high with masses of small light violet blue flowers during July and August. Pkt. 25c.

Oenothera Macrocarpa. Dwarf yellow. Blooms all summer. Good for rock gardens. Pkt. 25c.

Saponaria, Ocymoides. Very showy hardy perennial rock plant, producing during the summer months masses of small, bright rose flowers. 9 inches. Pkt. 10c; ¼ oz. 50c.

Statice, Latifolia (Sea Lavender). Splendid hardy perennial, either for the border or rockery, producing all summer, panicles of minute blue flowers, which can be dried and used for Winter bouquets. Pkt. 10c; ¼ oz. \$1.00.

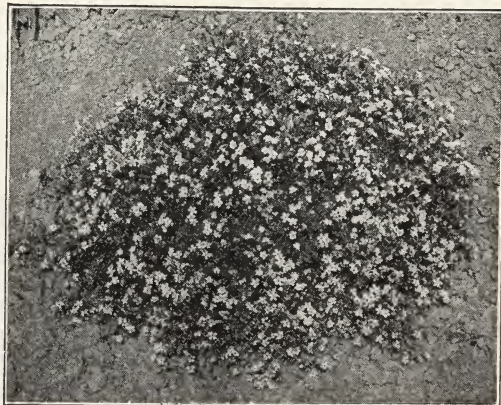
Tunica Saxifraga. A neat, tufted hardy perennial plant, growing but a few inches high and bearing throughout the entire season numerous elegant pink flowers. Will thrive anywhere but is especially adapted for the rockery or the margin of the hardy border, blooms the first season. Pkt. 15c; ¼ oz. 65c.

PERENNIALS

For descriptions and prices see alphabetical list.

Ampelopsis Veitchi (Boston Ivy)
 Aquilegia (Columbine), all varieties
 Bellis Perennis or English Daisy
 Carnation, all varieties
 Centaurea Candidissima (Dusty Miller)
 Coix Lachrymae (Job's Tears)
 Coreopsis Lanceolata
 Dahlia, all varieties
 Daisy, Shasta Alaska
 Delphinium (Hardy Larkspur), all varieties
 Digitalis (Fox Glove), all varieties
 Gaillardia Grandiflora (Blanket Flower), all varieties
 Geranium, all varieties
 Gypsophila Paniculata Alba (Baby's Breath), Single and Double
 Hollyhock, all varieties
 Lantana, all varieties
 Lathyrus Latifolius (Everlasting Peas), all varieties
 Physalis Francheti (Chinese Lantern Plant)
 Poppy, Oriental
 Sweet William, all varieties
 Wallflower

ALL VARIETIES LISTED FOR ROCK GARDENS ARE PERENNIALS.



GYPHOPHILA REPENS WHITE

VEGETABLE SEED

ARTICHOKE The Globe Artichoke is grown for the use of its unexpanded flower heads that are cooked like asparagus. If started in a hotbed and handled like a tomato it matures the first year. Oftenest it is treated like a perennial, that is, given slight covering in winter it remains in bearing several years. Give the plant two or three feet space in three-foot rows and cut all flower buds before opening to continue the plants blooming. **Large Green Globe.** The standard variety. Pkt. 10c; oz. 65c.

ASPARAGUS ROOTS Asparagus Roots can be supplied from November 1st to May 1st, but

the best time for planting in the North is in the early spring. **Prices on application.**

ASPARAGUS Complete cultural directions furnished on request.

Palmetto. It is of very large size, even and regular in growth and appearance. It is a very early sort and immensely productive and of the best quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Columbian Mammoth White. An entirely distinct variety that produces shoots that are white, and remain white as long as fit for use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Washington. A vigorous growing and very productive variety which has been bred to resist the disease known as "Asparagus Rust." The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c.

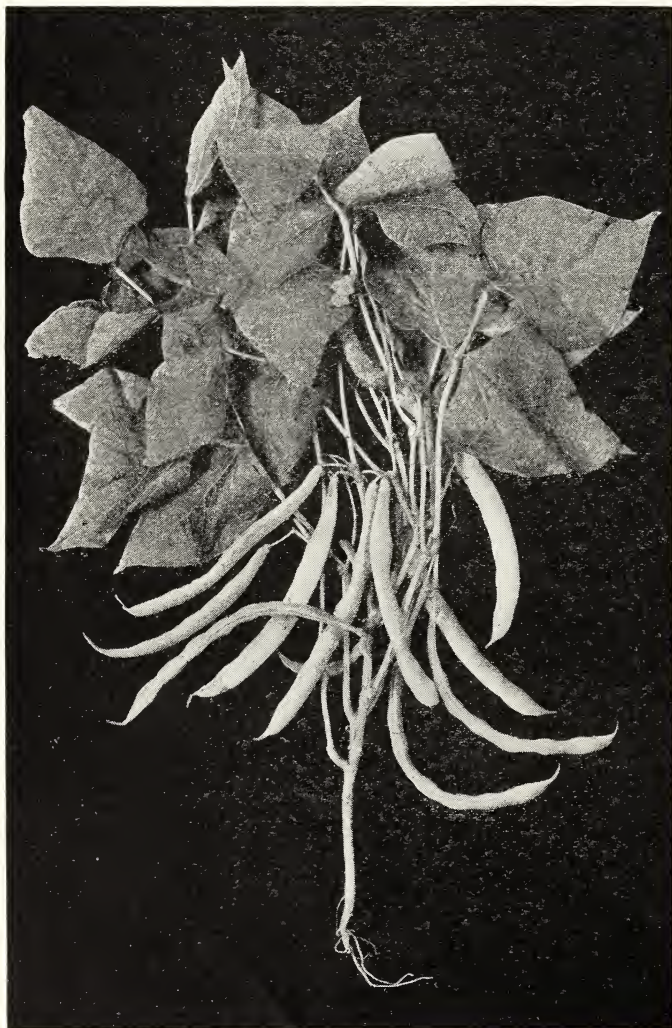
BROCCOLI

Leonard's Green Italian Sprouting. A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produce a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower. Ready for market in about 90 days. Per Pkt. 10c; $\frac{1}{4}$ oz. 40c; oz. \$1.00.

BRUSSELS SPROUTS

One Ounce of Seeds to 100 Yards of Row. A variety of the cabbage family, possessing the peculiarity of bearing upon its stem or stalk from 50 to 100 buds resembling miniature cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, from one to two inches in diameter, form one of the most delicious garden vegetables, only equaled by the cauliflower. Treat same as cabbage. Autumn grown sprouts, drilled in May and transplanted in July, generally do best, as the plants are quite hardy and the buds mellow under frost.

Dwarf Improved. A variety producing compact sprouts of excellent quality. Per Pkt. 10c; oz. 25c.



BEANS, BOUNTIFUL. (SEE PAGE 15)

BUSH BEANS GREEN POD VARIETIES

Culture. Beans are easily frost killed, so plant them at Corn planting time, on light, dry land. Cold, wet weather will rot the seed in the ground and fresh manure causes a rank growth of vine with a lack of pods. Hand cultivated beans can be drilled in poor soil as close as eighteen inches, but in rich soil with horse cultivation, thirty inches is required. Drill six beans to the foot and cover one inch deep, or plant four beans to the hill, eighteen by twenty-four inches apart. Two pounds of seed should plant 200 feet and sixty pounds an acre. Plant every third week for a succession up until August 1 in the latitude of Chicago. Shallow cultivation only should be given at all times and do not cultivate when the plant is in bloom as the plant will drop its blossoms; never cultivate when wet, as it causes rust. Pick beans before the bulge of seed appears and pick them clean to continue the plants bearing.

Black Valentine. This excellent variety is a great improvement over the old standard early Red Valentine, being one-third longer than that variety, with pods perfectly round and straight and of excellent quality. It also has the additional advantage of being suitable for both early and late planting and is extremely hardy. It will withstand early and late frost, is an excellent shipper, a large yielder, and of very handsome appearance. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Bountiful. This excellent dwarf, green podded sort is similar in appearance to Early Yellow Six Weeks, but is of much better quality. The vines are more vigorous and productive. The pods are very long, six to seven inches, straight, broad, flat, of handsome appearance and absolutely stringless for snaps. They are tender and brittle and much longer than most sorts. The pods are longer, broader and have much longer tips than those of long Yellow Six Weeks. Bountiful is a most desirable sort for the Market Gardener. We grow our own stock in Michigan and consider same the best on the market. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Giant Stringless. A very hardy, stocky vine, pods long, round and green in color, of exceptionally fine quality and stringless throughout its entire growth. About a week earlier than Red Valentine and much more prolific. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Burpee's Stringless Green Pod. This bean produces a vine similar to Red Valentine, but develops pods to an edible condition in 42 days, about four days earlier than Valentine. The pods are green, not quite so round as Valentine and less curved. The pods are stringless, absolutely so, this quality at once placing the variety at the top of the list among table beans, while the early maturity is of great merit. This stringless quality is of particular value, the pods breaking as short and free as pipe stems. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Tennessee Green Pod. Vines prolific, foliage dark green with leaves large and crumpled. Pods long, flat, irregular in shape, bright green and of most excellent quality. Seed medium size, oval flat, yellowish brown in color. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

French Bush Horticultural. One of the most attractive of the Horticultural family. Vine very erect, straight and compact, with a tendency to throw out short runners. Pods prolific, seven to eight inches long, broad, stringy and fibrous, and distinctly marked with a very vivid crimson. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Leonard's Yellow Dot Stringless Green Pod. Without doubt the finest flavored bean ever introduced. It is a very early, tender, green pod variety, perfectly stringless and of a delicious flavor. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Leonard's Pheasant Eye. Vines hardy, sturdy, well leafed. Pods long, meaty, stringless and of excellent quality. Originated from plants found in Bountiful; it retains all the good points of that variety, with added symmetry of pod. Seed white, splashed more or less at eye side with yellowish brown, which coloring also surrounds eye. **Pkt. 10c; ½ lb. 20c; lb. 35c.**



BLACK VALENTINE

Refugee or 1000 to 1. The vines large, spreading, exceedingly hardy, with small, smooth leaves, very late and bear long, cylindrical green pods of excellent quality. Highly esteemed for late planting and canning and pickling. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Stringless Refugee. A new variety of round green podded Refugee Beans earlier than the Refugee 1000 to 1, and absolutely stringless. This Bean has all of the good points of the old Refugee and in addition is a stringless variety which makes it very desirable for truckers and the canning trade where a good yielding, absolutely stringless, green round podded Bean is wanted. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

Dwarf Horticultural. Vines very productive, compact, upright, with large leaves. Pods medium length, cylindrical, curved, with splashes of bright red on a yellowish ground. Seed large, oval, plump and nearly covered with splashes of bright red. **Pkt. 10c; ½ lb. 20c; lb. 35c.**

BUSH BEANS—Green Pods—Continued



BURPEE'S STRINGLESS GREEN POD

Early Improved Red Valentine. For snaps there is nothing superior to this variety among the dwarf green podded sorts both for the home and market garden and many prefer it to the wax varieties. The plants are of medium size, erect, with dark green leaves. The pods are of medium length, about four and one-half inches, medium green color, curved, cylindrical, with crease in back, very fleshy, crisp and tender. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Lowe's Champion. A very old variety of the Horticultural type, sometimes known as Red Cranberry. Pods about five inches long, very flat, light green in color, with more or less string and of medium quality. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Goddard or Boston Favorite. A type of Horticultural and a good shell bean. Pod and

bean somewhat larger than the Dwarf Horticultural; pods about six inches long, flat, straight, green and much splashed with bright red. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Longfellow. An ideal snap bean, producing a fine crop of round, straight, solid, fleshy pods averaging six and one-half inches long, wonderfully tender and brittle, without a trace of tough interlining, and having no string when broken, excepting when the pods are quite old. The flavor is most delicious, while the delicate green color of the pods is retained after cooking, adding to its attractiveness when served. The plants are of robust, compact habit, unexcelled in bearing qualities, maturing the crop very regularly. It is extra early, the pods being fit to pick four days before other varieties of approximate size. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

White Kidney. A slender white bean of superior quality; used shelled, green or mature. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Red Kidney. Well-known shell bean. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

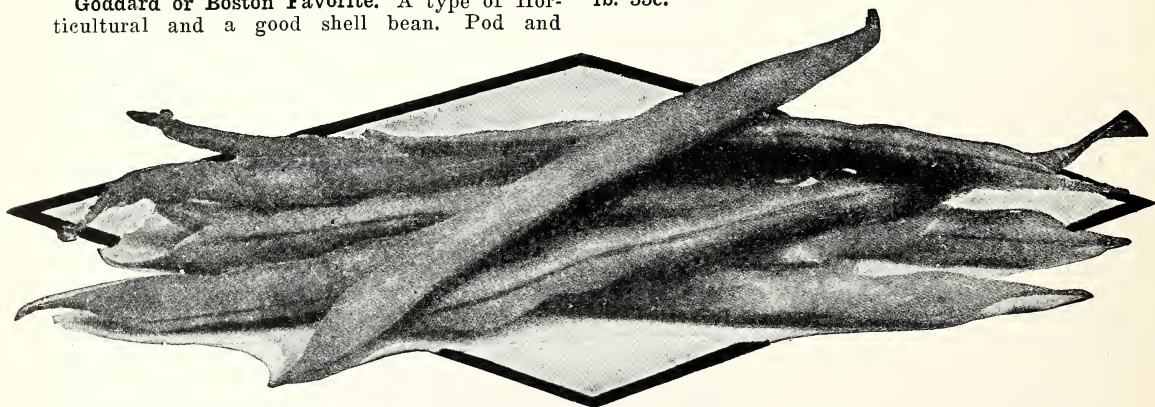
Large White Marrow or Mountain. Vines are large, slender, spreading, with short runners and small leaves; very prolific; pods medium, broad, green, changing to yellow; beans large, clear white, ovoid, cooking very dry and mealy. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Improved Tree or Dwarf White Navy. A variety developed in western New York. Is a sure cropper, and not only more prolific than the common white beans, but also of better quality. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Great Northern or Large White Navy. A splendid field bean, preferred by many to the navy beans for baking. Excellent quality, fine flavor, cooks rapidly, good size beans, heavy yielder. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Broad Windsor, Bob or Fava. The standard English horse bean. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Full Measure. The plant is of perfect bush growth, branching freely and bearing a good crop of pods. The plants are hardy and mature moderately early in the season. The fully round pods are very fleshy and strictly stringless. They are of a deep green color and measure nearly 6 inches in length. The quality is excellent, fine grained and of good flavor. It comes into bearing about the same time as Burpee's Stringless Green Pod. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.



LONGFELLOW BEANS

BUSH BEANS—Wax Pod Varieties



IMPROVED GOLDEN WAX

Sure Crop Wax. A vigorous growing, very productive variety, similar in general appearance of plant and seed to Currie's Rust Proof Wax; the pods, however, are more fleshy, of decidedly better quality and are stringless at practically all stages of growth. Pods about six inches long, nearly round, attractive in color and remain a long time in condition for snaps. A decided improvement over Currie's Wax. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Round Pod Kidney Wax. A very handsome, midseason variety especially desirable for snaps for the home garden. The plants are of strong growth, spreading and very productive. The leaves are large, broad and roughened. The pods are long and round, five and one-half inches, slightly curved, light yellow, wax-like, stringless and of the very best quality. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Refugee Wax. A perfect Refugee with wax pods. Pods long, round, and of a golden yellow color. One of the earliest, quality excellent and is fit for picking 57 days from planting. A very fine canning bean. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Leonard's Webber Wax. Unquestionably one of the best wax podded beans ever introduced. It is a market gardener's bean, having originated in the market gardening section of Chicago. The vine is strong, holding the pods well up. The pods are of an exceedingly bright yellow color, handsomer in this respect than any other wax bean; in shape they resemble Wardwell's Wax but are rounder and more meaty.

The color of the seed is yellow. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Improved Golden Wax. Undoubtedly one of the best wax beans for the home garden. Rust proof an improvement on the old style Golden Wax. Pod is semi-round, yellow, of good quality, and has no string. Ready for picking 47 days from planting. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Davis White Wax. This bean is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped, and white in color, making it one of the best for cooking in a dry state. Pods are long, meaty, flat in shape, and of a beautiful yellow color and fair quality. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Pencil Pod Black Wax. Pencil Pod Black Wax grows a taller, stronger and more vigorous bush than the Improved Prolific Black Wax, long, slender, straight, handsome pods, shaped very much like a pencil. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Unrivalled Wax. Immensely productive, very early. Pods 5 to 5 $\frac{1}{2}$ inches long, rather narrow, either perfectly straight or slightly curved, somewhat flattened but fleshy. The pods show their clear yellow color at an early stage and while having a trace of string are quite fiberless. Plant large, vigorous and nearly disease resistant; seed distinctly small, flat, kidney-shaped, ochre-brown in color. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Burpee's Improved Kidney Wax. Resembling Wardwell's Kidney Wax, but pod is longer and thicker, but not so broad; fairly productive and of high quality; stringless, fiberless, very fleshy and brittle. Pods about 6 inches long and of an attractive, clear yellow color; mid-season. An excellent variety for canning. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Currie's Rust Proof Wax. An excellent Wax Bean in every respect. Rust proof, tender, thick, flat pods of very good quality. Very little string in early stages, developing a little when nearing maturity. Fit for table use 47 days from planting. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Golden Eye Wax. Almost rust proof, very hardy, early and prolific. Pods large, yellow, 5 to 6 inches long, flat and almost straight, and with considerable fibre and string. Beans are white with a yellow eye. Very showy; follows Old Style Golden Wax in season. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Hodson Wax. Extremely vigorous, very hardy and productive, though rather late. Noted for its very large, flat, gently curved, attractive wax pods; rather fibrous and stringy. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

Wardwell's Kidney Wax. Hardy and productive, pods long, broad, thick, flat and of a delicate waxy yellow, of excellent quality and with no string in the early growth, ready for table 48 days from planting. Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c.

BEANS—BUSH LIMA VARIETIES

BURPEE'S IMPROVED BUSH LIMA



Culture. As the lima requires even more heat than other beans, a failure will follow a too early planting. The bean when favorably planted throws out from what we term the bean's eye a stout root; this root in turn lifts the bean above the ground. The bean then opens its halves or false leaves, or cotyledons, and the true leaves soon follow. If in planting the bean is thrust into the soil eye down, and just below the surface, the bean is in a favorable position to begin its growth. However, the crop can be secured though with a lesser per cent of germination by dropping the bean in any position.

Bush or Dwarf Limas are earlier than pole limas and are planted in twenty-four to forty inch drills, three to six inches apart in the row, according to varieties. Two pounds plant one hundred and twenty-five to one hundred and fifty feet.

Burpee's Improved Bush Lima. Our trials show this Improved Bush Lima Bean to be very different and a very great improvement over the old type of Burpee's Bush Lima so well known. This Burpee's Improved Bush Lima is a thicker, fatter bean in appearance, looking more like the Fordhook Bush Limas, and is in our opinion a better yielder and a better flavored bean than the Fordhook. We consider the Burpee's Improved Bush Lima the best of all the large Bush Lima varieties. Very early. Pkt. 10c; ½ lb. 20c; lb. 35c.

Burpee's Bush Lima. Plants eighteen to twenty inches high, very productive. Pods four to four and one-half inches long, containing three to four beans, which are as large as the pole sorts. Bean flat and wide. Pkt. 10c; ½ lb. 20c; lb. 35c.

Dreer's. The true bush form of the chubby Dreer's or Potato Lima. The pods are heavy and thick. It is quite productive and of excellent quality. Pkt. 10c; ½ lb. 20c; lb. 35c.

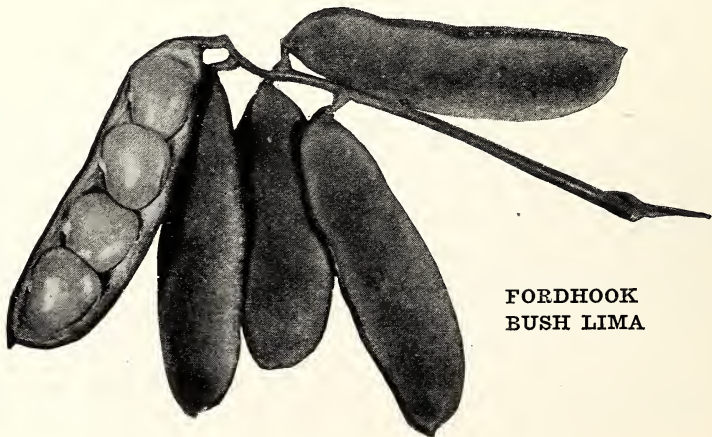
New Wonder. This gives the largest and best returns—a big crop from a small space—and is a decided improvement on the original type of Burpee's Bush Lima. The beans are of flat shape and fully equal in flavor to the famous Dreer's Bush Lima, so well and favorably known. Pkt. 10c; ½ lb. 20c; lb. 35c.

Jackson Wonder or Calico Lima. Most prolific of all bush lima, of Georgia type, a perfect bush butter bean growing ten inches high to two feet. good for summer use or winter shell beans. Pkt. 10c; ½ lb. 20c; lb. 35c.

Fordhook Bush Lima. Vines strong, erect and true bush lima growth. Foliage heavy and very dark green in color. The stalks that produce the blossoms are thrown out from the lateral and main stalks. The pods resemble Dreer's Bush Lima, but average more than double the size and contain from three to five beans to the pod. Pkt. 10c; ½ lb. 20c; lb. 40c.

Henderson's. This is a bush form of the small Seiva pole bean. It is the original bush form of the pole beans. It is the most productive of any, and on the whole is a vegetable of great merit. Pkt. 10c; ½ lb. 20c; lb. 35c.

Wood's Prolific. Quite similar in character and habit of growth to Henderson's Bush Lima, though the beans are somewhat larger and thicker. Pkt. 10c; ½ lb. 20c; lb. 35c.



FORDHOOK
BUSH LIMA

BEANS—POLE OR RUNNING

Culture. The pole bean climbs, sometimes needing a little training, over any support given it. A good practice is to set firmly in the ground every three or four feet each way, poles that are, when set, about six feet high. Some time after bunch beans are planted, six or eight pole beans are planted one inch deep near the base of each stake and later thinned to three or four plants to the pole. Thirty pounds of pole beans generously plants an acre and one pound plants one hundred hills. The pole bean bears over a longer period than the bunch bean and is generally considered of superior quality, but it requires more labor, longer time to mature, and is more sensitive to adverse climatic and soil conditions. Note that the vine turns only one way around its support.

When too old for use as a green snap bean, use any bean shelled, or still later, when it is hard and dry, it remains equally serviceable.

White Creaseback. An extremely early Pole Bean. Vines small to medium and wonderfully productive. Bearing pods in clusters of from 4 to 12, and medium in length. An excellent shipper. Pkt. 10c; ½ lb. 20c; lb. 35c.

Dutch Case Knife. Vines moderately vigorous, climbing well and excellent for a corn hill bean; leaves large, crumpled, and pods very long, flat, green in color, becoming creamy white later. Beans broad kidney shaped, and white in color. Pkt. 10c; ½ lb. 20c; lb. 35c.

Red Speckled Cut Short (or Corn Hill). This is the best sort to plant in hills of corn. A great cropper. Pkt. 10c; ½ lb. 20c; lb. 35c.

Striped Creaseback or Scotia. A very hardy and productive cornfield bean. Pods six and one-half to seven inches long, round, straight and creasebacked; slightly stringy, very fleshy, fine grained, attractive and good quality; color dark green. Pkt. 10c; ½ lb. 20c; lb. 35c.

Nancy Davis. Plants large; compact; vigorous grower; pods about 7 inches long, almost straight or slightly bent backward at the end; round, well filled and of good quality. Pkt. 10c; ½ lb. 20c; lb. 35c.

Tennessee Wonder. Somewhat similar in habit to Kentucky Wonder, but with immensely larger, straighter, smoother and more creasebacked, green pods. More suitable as a shell rather than snap bean. Pkt. 10c; ½ lb. 20c; lb. 35c.

Kentucky Wonder. Vines vigorous, climbing well, and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching nine to ten inches. Nearly round when young and very crisp, although as they reach maturity they become irregular and spongy. Dry beans long, oval, dun-colored. Pkt. 10c; ½ lb. 20c; lb. 35c.

Kentucky Wonder White Seeded or Burgers Stringless. A very early, white seeded variety. Pods six to seven inches long, round, slender and straight; very tender, fleshy and stringless; of high quality; color dark green. Pkt. 10c; ½ lb. 20c; lb. 35c.

McCaslin. A wonderfully prolific stringless, white seeded, green podded, buttery, rustless, and very early. Vines bear continuously if closely picked. Pkt. 10c; ½ lb. 20c; lb. 35c.

Lazy Wife. One of the most productive and easily gathered of the Pole Beans, hence its very discourteous name. A most excellent bean for the home garden. Pkt. 10c; ½ lb. 20c; lb. 35c.

London Horticultural, or Speckled Cranberry. Vines moderately vigorous, bearing short, broad pale green pods, becoming streaked with bright red as they near maturity. Beans large, ovate and splashed with red. Used either green or in the dry state. Pkt. 10c; ½ lb. 20c; lb. 35c.

Noxall or Missouri Wonder. Noxall is a sure cropper, giving large crops when others are an entire failure. The green pods are long, round and tender, excellent for planting among corn, good for either snap or shelled beans. Pkt. 10c; ½ lb. 20c; lb. 35c.

Early Golden Cluster Wax. One of the very finest pole beans. Very early, being only a week later than Golden Wax. Pkt. 10c; ½ lb. 20c; lb. 35c.

Kentucky Wonder Wax. One of the earliest of the pole wax sorts. Pods eight to nine inches long, thick, decidedly creasebacked, very fleshy, brittle but stringy, attractive and fair quality; color light yellow. Pkt. 10c; ½ lb. 20c; lb. 35c.

Dreer's Improved or Challenger Lima. This is a bean of rather peculiar shape, being thick and plump, rather than flat and oval. Pkt. 10c; ½ lb. 20c; lb. 35c.

Early Jersey Lima. Ten days earlier than any other Lima. Recommended as a most profitable Lima Bean. Pkt. 10c; ½ lb. 20c; lb. 35c.

Large White Lima. The large Lima is a general favorite wherever it can be cultivated on account of its excellent flavor and productivity. Pkt. 10c; ½ lb. 20c; lb. 35c.

King of the Garden Lima. The old standard market and family sort. The vine begins to produce pods at the foot of the pole, and the bearing season continues until frost. Pods large and well filled with beans of mammoth size. Pkt. 10c; ½ lb. 20c; lb. 35c.

Leviathan Lima. A very early, large podded variety; the earliest of the Large Lima class. Pods 5 to 6 inches long, containing 5 to 6 large, flat, white beans. Pkt. 10c; ½ lb. 20c; lb. 35c.

Carpenteria Pole Lima. A very desirable Pole Lima; vines vigorous, producing an abundance of large medium green pods five to six inches long, containing four beans of large size much thicker than the usual Pole Lima. Pkt. 10c; ½ lb. 20c; lb. 35c.

Carolina Small White Lima or Seiva. Vines vigorous with many short branches, so that they are sometimes grown without poles; very early and productive, bearing short pods, which are thin and curved. Pkt. 10c; ½ lb. 20c; lb. 35c.

Florida Butter or Speckled Lima. Will make an abundant crop under weather conditions that cause other varieties to fail. Seed of Seiva size speckled white and brownish red. Pkt. 10c; ½ lb. 20c; lb. 35c.

Scarlet Runner. Height ten feet with dazzling scarlet flowers from July to October; both ornamental and useful. It is used either as a string or shelled bean. Pkt. 10c; ½ lb. 20c; lb. 35c.

BEET FOR THE TABLE



**LEONARD'S DARK
RED EGYPTIAN**

Leonard's Dark Red Egyptian. We have worked on this strain for several years and now feel we have the best stock of Egyptian Beet on the market today. It is dark red, free from light zones, early and an excellent Beet in every way. Try some in your garden this year. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Early Flat Egyptian. The well-known early variety. Color, extra dark; shape, flat; quality, excellent. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Early Eclipse. A choice early variety; well known and popular. Shape, globular; quality, good; color, light. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Lentz Extra Early Blood Turnip. A favorite market-gardeners' beet around Philadelphia. Very early and sweet; ringed red and white. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Crimson Globe. This is one of the finest beets yet introduced. Roots are not large, but very handsome. Round, and a clean, smooth surface. Leaves very small, with slender stems. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Early Wonder. A selection from Crosby's Egyptian, though not so early as our strain of that variety. Roots very uniform, nearly globe-shaped with small top and tap root; skin dark red, flesh deep blood red, with little zoning. Popular with market gardeners for early or late planting. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Early Model. A medium early variety. The roots of Early Model are of nice size and grow uniformly perfect, nearly globe shaped, with a slim, smooth tap root. Leaves are small, color dark crimson. The color and quality are excellent, flesh being tender, sweet, rich deep crimson and fine flavor. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Culture. As soon as the soil can be worked in Spring, sow beet seed in twelve to eighteen-inch drills for hand hoeing or eighteen to thirty-inch drills for horse cultivation, dropping twelve seed to the foot. Cover the beet seed, which is really a beet fruit containing one or more seeds, one-half inch deep. Later, thin the beets to stand five to the foot. Planted April 1st the early varieties should be marketable June 1st or the crop may be advanced several weeks by starting under glass and transplanting to the open, first giving the beet tops a severe pruning. Use one ounce of seed to one hundred feet of row and five or six pounds to the acre. Beets sown in early July should be ready to store in pits or in sand in the cellar when freezing weather begins.

Crosby's Egyptian. This variety resembles the Egyptian only in its extreme earliness. The stock we offer is of a distinct vermilion color, which is very attractive not only in the beets as pulled, but after they have been cooked. They are also more spherical than the Extra Early Egyptian and we think of better quality. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Edmand's Early Blood Turnip. The best sort for general crop. In quality one of the finest, exceedingly dark, shape globular, having only one tap root. Very popular with market men. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Dewing's Early Blood Turnip. A good variety for main crop. Keeps well. Like Edmand's, but lighter color. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Long Smooth Blood. The standard long late sort. Very dark, blood-red flesh; quality fine. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Improved Early Blood Turnip. An extra selected stock of blood turnip, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerable longer time to mature. Excellent for Summer and Autumn use. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Swiss Chard, Silver. This robust growing variety is often referred to as the Spinach Beet and is grown for its leaf, not for its root. The thick rib may be stripped from the leaf and used as asparagus, while the rest of the leaf is served as "greens." **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Swiss Chard, Lucullus. An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, much crumpled and curled, mid-rib and veins white, stalks thick, broad and flat, and as large as rhubarb. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Swiss Chard, Dark Green. Color very dark green, leaves fleshy, thick, tender, not as crumpled as Lucullus but with a very broad white mid-rib. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

BEET FOR THE TABLE—Continued



DETROIT DARK RED

SUGAR BEETS The Sugar Beet, grown for the manufacture of sugar and frequently used for stock feeding, is a yellowish-white beet smaller than the mangel but containing a much greater percent of sugar. In growing, the sugar beet is treated like the mangel except that only six or eight inches of space is given each beet in the row.

Lane's Imperial Sugar. Good for making sugar, also stock feeding. A hardy and productive sort. Yields fourteen to sixteen tons per acre, and contains about 16 per cent of sugar. **Pkt. 10c; ¼ lb. 25c.**

Vilmorin's Improved Sugar. In general, the most desirable beet for the factory is the one containing the largest percentage of sugar. **Pkt. 10c; ¼ lb. 25c.**

Klein Wanzleben. A little larger than Vilmorin's Improved, yielding from twelve to eighteen tons per acre, and containing about the same amount of sugar. It grows below the surface, and the green leaves are rather large and spreading. **Pkt. 10c; ¼ lb. 25c.**

Giant Half-Sugar. This unites the large size of the mangel with the greater feeding value of the sugar beet. The roots average ten to twelve inches, and the outline is that of a broad, thick wedge. The upper portion is of a soft bright pink, shading lighter toward the bottom where the lower portion for about one-third the length is white. **Pkt. 10c; ¼ lb. 25c.**

Detroit Dark Red. Long experience has shown this variety to be the best deep red turnip beet not only for market gardeners, but for home use. It is also by far the best for canning, making a strikingly handsome product, much superior to that obtained from any other variety. Its small, upright-growing tops, early maturing and the splendid shape and color of the roots make it popular with everyone who plants it. Tops small, upright growing, so that the rows may be close together; leaf stems and veins dark red, blade green; roots very crisp; tender and sweet and remaining so for a long time. We believe that our stock of this variety will produce a crop more uniform in shape, color and quality than any other. **Pkt. 10c; oz. 15c; ¼-lb. 30c.**

MANGEL WURZELS Mangel Wurzel, called also stock beet or cow beet, is a very large beet growing mostly above the ground and all stock eat it greedily. Plow deep for this crop and in May or June plant six Mangel seed to the foot in two or three foot rows, later thinning to a ten-inch stand. One ounce sows generously one hundred feet of row and an acre requires five or six pounds. When a light frost has occurred, lift the roots and store in pits or cellars.

Leonard's Improved Mammoth Long Red. The largest and most productive variety. Immense crops can be grown from it. **Pkt. 10c; ¼ lb. 25c.**

Norbiton Giant Long Red. Very large, excellent variety for feeding stock. **Pkt. 10c; ¼ lb. 25c.**

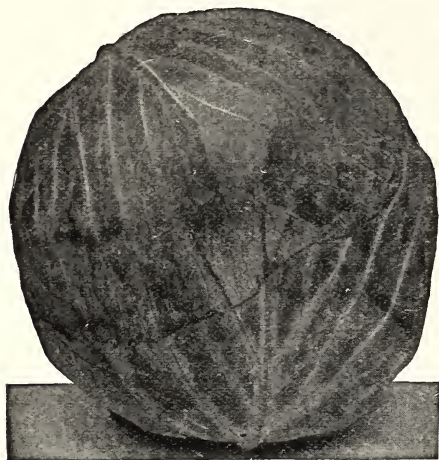
Golden Tankard. Shape cylindrical, color deep rich yellow, flesh yellow circled with white. Unequaled for feeding stock. **Pkt. 10c; ¼ lb. 25c.**

Yellow Globe. Globular shaped roots. More productive than Long Red in shallow soil. Very nutritious and a good keeper. **Pkt. 10c; ¼ lb. 25c.**



**SWISS CHARD
DARK GREEN**

CABBAGE



GOLDEN ACRE

Culture. Cabbage grows successfully on a wide variety of soils and experience points to liming, deep plowing and heavy manuring as successful practices.

Cabbage plants when properly hardened by gradually being brought to a low temperature and the quantity of water in them diminished, will stand any frost and some considerable freezing. Yet a cabbage plant raised at a high temperature and full of water will be killed by even a light frost. Cabbage can be grown by planting the seed heavily where the crop is to grow and thinning the plants, but a better practice is to raise the plants, without crowding, in a seed bed, which is not richer than the fields to which the plants go. Transplant if possible on a cloudy day, watering the plants if the soil is dry. South of the Ohio seed is frequently planted out of doors in September and wintered in cold frames or in very Southern localities the plant is Fall set on a shady side of the furrow to avoid as much as possible the deadly freeze and thaw. For early cabbage north of the Ohio, sow seed in hot beds in February, transplant in cold frames in March, and set outside in April, or sow seed out of doors as soon as the soil can be worked in Spring, covering the seed one-third inch deep. All vegetable plants are best when grown without check, so let as much soil adhere to the roots of the plant in transplanting as will hold, and set up to the first leaf. At this time the plant should have four or five pairs of leaves and be four to six inches high.

Set small varieties to be worked by hand as close as eighteen inches each way, while large late varieties, horse cultivated, need thirty or more inches each way.

Nitrate of soda will hurry the crop and if heads are so early as to begin bursting push the head to one side far enough to tear off the roots on one side.

Early Jersey Wakefield. The most popular extra early cabbage. The plants are compact, erect, with few outer leaves, and withstand cold and unfavorable weather well, as they are very hardy. Heads medium size, cone-shaped and solid. Our stock has been very carefully selected. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Golden Acre. We believe it is the earliest Cabbage in existence. It matures in but 80 days from the date the seed is sown. The head begins to form when the leaves are no larger than a saucer and its growth may be observed almost from day to day. It is perfectly round, and full grown, measures 9 inches in diameter. The heads mature all at the same time—so fixed is the type, and one head is just like the other, both as to size and shape. The plants can be set very close, as there are only about 12 leaves and these are very short. The stalk is less than two inches high, so the plant is distinctly dwarf. **Pkt. 10c; oz. 75c; ¼ lb. \$2.00.**

Large or Charleston Wakefield. This is a selection from the best early Jersey Wakefield which will average about 50 per cent larger. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Early Winnigstadt. An early variety of excellent quality not as early as the Wakefield. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Leonard's Faultless. It is the succession type, but is earlier, head is rounder, sets out of the under leaves higher, has a darker color of leaf and can be planted closer. **Pkt. 10c; oz. 30c; ¼ lb. \$1.00.**

Henderson's Early Summer. A standard Summer variety. We have the true stock. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

All Head Early. One of the finest early flat-head cabbages. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

All Seasons. A fine variety for any season, of good shape and size. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Succession. A good Summer cabbage; also makes a good cabbage to succeed itself. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Early Dwarf Flat Dutch. An early cabbage of good size. Heads are flat and very solid. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Houser Flat Dutch. An extra large, round, hard heading late sort. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Stein's Early Flat Dutch. An early and excellent type of Early Flat Dutch with a medium stem; heads round, flat and solid. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Early Drumhead. A second early, sure heading cabbage of good quality. Plant of compact growth. Head large, thick, flattened on the top, solid, crisp and tender. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Glory of Enkhuizen. This is an excellent mid-Summer variety. It comes in about a week earlier than All Seasons, makes a nice large head, has few outer leaves and can be planted close. Our tests show it to be worthy of a place among the new varieties of merit and we can recommend it as a good addition to the list. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50.**

Sure Head. A fine variety for main crop. A good shipper and sure header. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Large Late Drumhead. A late variety of large size. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Premium Late Flat Dutch. This variety of late cabbage is a standard in all sections for winter use. It makes a large solid head which keeps long without bursting, and is adapted to a more varied climate than probably any other variety we grow. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Copenhagen Market.

One of the finest early round-headed cabbages in cultivation. It is desirable on account of the remarkable characteristics of maturing the heads all at the same time, enabling the grower to gather his crop with less expense and permitting the cleaning of the land at the first cutting. The heads average about ten pounds each in weight, are hard and solid with small core. The quality is extra fine and sweet. It is a short stemmed variety, the heads nearly resting on the ground. The leaves are light green, rather small, saucer-shaped and tightly folded, making it possible to set them close together in the field. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50.**

CABBAGE**COPENHAGEN MARKET**

Danish Ballhead. For a winter cabbage for early Spring sales some of our local gardeners consider this variety excellent. It has been selected and perfected for more than fifty years by the Danish gardeners, who prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities of it. It is hard heading, and long keeping cabbage. Heads round as a ball, solid, fine grained, has few outer leaves, tender, crisp, and of unexcelled flavor. **Pkt. 10c; oz. 40c; ¼ lb. \$1.50.**

Autumn King. Probably the largest of the cabbage family; heads very large and flat; leaves of upright growth, frilled or scalloped unlike other varieties; late in maturing and requires strong soil to head well. **Pkt. 10c; oz. 30c; ¼ lb. 90c.**

Improved American Savoy. Closely approaching the cauliflower in delicacy and delicious flavor. The best of all Savoy for general market or home use. It has a short stump, grows to a large size, is compact and solid, and is a sure header. **Pkt. 10c; oz. 30c; ¼ lb. \$1.00.**

Drumhead Savoy. The best winter keeper of the Savoy; heads late, round, compact, and solid; leaves numerous, deep green and coarsely crimped. **Pkt. 10c; oz. 30c; ¼ lb. \$1.00.**

Bugner. A winter Cabbage which has been and still is the most popular late variety around Chicago. It makes very large, somewhat flattened heads, which are extra hard and solid. The variety is, furthermore, greatly resistant to "yellow" disease. **Pkt. 10c; oz. 80c; ¼ lb. \$2.50.**

The Holland, Leonard's Strain. For shipping or for storing for the late Spring market, this cabbage is unsurpassed. The popularity and paying qualities of this cabbage itself when it is true are points long ago decided. True Holland seed is produced at a few points only and seed grown elsewhere fails to show the proper char-

acteristics. Since 1896 we have been fortunate in selling the seed crop of one grower of this cabbage and it has met the requirements of exacting cabbage growers of Chicago, Racine and other Holland Cabbage shipping points. We do not hesitate to say that Leonard's strain of Holland Cabbage is the best seed purchaseable. **Pkt. 10c; oz. 40c; ¼ lb. \$1.50.**

Mammoth Rock Red. The largest heading of any red sort. Heads are hard, of deep red color, quality excellent. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00.**

Red Drumhead. The standard pickling variety. A good keeper. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00.**

Red Stonehead. Heads perfectly round and extremely solid; large in size; deep purplish red, showing but slight traces of white. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00.**

Chinese Cabbage or Pe Tsai; sometimes called Celery Cabbage, resembles Cos Lettuce as much as cabbage, though with a decided cabbage flavor. **Pkt. 10c; oz. 35c; ¼ lb. \$1.25.**

We wish to particularly call your attention to our Yellows Resistant strains of Cabbage Seed.

The Yellows disease is prevalent from Southern Wisconsin to the Gulf of Mexico and from Colorado to the Atlantic.

Our stock seed is raised from heads grown on heavily infested yellow-sick soil and selected rigidly and continuously for type and resistance. We offer only FIRST GENERATION seed from such stock.

All Head Early Wilt Resistant. **Pkt. 10c; oz. 75c; ¼ lb. \$2.00.**

All Season's Wilt Resistant. **Pkt. 10c; oz. 75c; ¼ lb. \$2.00.**

Marion Market or Copenhagen Market Wilt Resistant. **Pkt. 10c; oz. \$1.25; ¼ lb. \$4.25.**

Globe or Glory of Enkhuizen Wilt Resistant. **Pkt. 10c; oz. \$1.25; ¼ lb. \$4.25.**

Succession Wilt Resistant. **Pkt. 10c; oz. 75c; ¼ lb. \$2.00.**

Wisconsin No. 8 Yellows Resistant. **Pkt. 10c; oz. 75c; ¼ lb. \$2.50.**

**CORELESS**

Culture. The carrot, whether used raw, fried, boiled or stewed, used alone or combined with other vegetables or meat is not surpassed in nutritious healthfulness by any vegetables catalogued. Plant carrots in the latitude of Chicago from the time the soil can be worked in the Spring till July, in one to two foot rows for hand cultivation or in thirty-inch rows where a horse-drawn tool is used. Use one ounce of seed to one hundred feet of row, three to four pounds to the acre, covering one-half inch deep and later thin to a four-inch stand. To cultivate the rows at any early date, sow radish seed which germinates quickly with carrot seed, which germinates slowly. Do not overlook the value of this crop as a stock food.

Coreless. A fine half-long early carrot. Medium sized, even shaped and productive. Blunt base and small tap root. Small fine tops and a nice smooth skin. The flesh is a rich orange red, finely grained and very free from the woody yellow heart or core found in most red fleshed carrots. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c.

Early Short Horn. Excellent for early planting out of doors. Tops small, coarsely divided; roots top-shaped, but tapering abruptly to a small tap; skin orange red. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Half Long Nantes. Tops of medium size; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core. Of the finest quality and one of the most symmetrical and handsome of the medium sized sorts; excellent for the market or home garden. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

CARROT—FOR THE TABLE

Chantenay. Tops medium sized; necks small; roots tapering slightly but uniformly stump rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Guerande, or Ox Heart. Tops small for the size of the roots which are comparatively short, but often reach a diameter of five inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. When young excellent for table use, and when mature equally good for stock. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Danvers. Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops of medium size, coarsely divided. The smooth and handsome roots are deep orange, of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. Although the roots of this variety are short, they produce as large a bulk as the longer field sorts and are more easily harvested. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

**CHANTENAY**

CARROT—For the Table—Continued

Hutchinson. A variety that was developed by selection from the Danvers Half Long. It has slightly darker orange skin, grows an inch or two longer, but differs from the Danvers in that it carries its fullness well down to the end, making it decidedly stump-rooted. A heavy yielder and attractive in appearance. Pkt. 10c; oz. 25c; ¼ lb. 60c.

Half Long Scarlet Carentan. A forcing variety, cylindrical in shape, about four inches long, shape uniform, tapering from a wide shoulder to a point. Pkt. 10c; oz. 15c; ¼ lb. 40c.

St. Valery. A good late variety. It grows long, shape uniform, tapering from a wide shoulder to a point. Pkt. 10c; oz. 15c; ¼ lb. 30c.

Long Orange. The most popular of the older sorts for farm use on mellow soil. An improvement obtained by years of careful selection of the best formed and deepest colored roots. Pkt. 10c; oz. 15c; ¼ lb. 30c.

CARROT—For Stock Feeding

Improved Short White or Mastodon. One of the heaviest cropping carrots grown, yielding more tons to the acre than most any other sort. Flesh white, crisp and solid, very sweet in flavor. Quite an improvement on the White and Green Belgian sorts. Roots short and very heavy at the shoulder, rendering them easy to harvest. Roots frequently measure fifteen to twenty inches in circumference. Pkt. 10c; ¼ lb. 25c.

Large White Belgian. This carrot grows a third or more of its length above the surface. Roots will average two inches in diameter at the shoulder and a foot or more in length. The diameter is even throughout the entire length, the roots tapering gradually at the base. They are easily pulled in harvesting, and do not have to be dug out, like most long-rooted sorts. Flesh and skin pure white, though the latter is occasionally tinged with green in upper portion growing above the soil. Pkt. 10c; ¼ lb. 25c.

Large Orange Belgian. This is similar to the preceding in growth and form, but flesh and skin of the portion growing below the soil are of a pale orange coloring. These two varieties have probably been grown more extensively than any others for stock feeding in the past, but are destined to be superseded to a great extent by the large, thick roots of the Improved Short White variety offered above, and the thick, stump-rooted table sorts. Pkt. 10c; ¼ lb. 25c.

Large White Vosges. A pure white carrot, six and one-half to seven inches long, four to four and one-half inches at the shoulder, tapering in a straight line to tip. Easily harvested on account of its wedge shape. Pkt. 10c; ¼ lb. 25c.

CARDOON

Smooth, Solid Cardoon. Grown for the mid-ribs of the leaves which possess an unusual delicacy of flavor when thoroughly blanched and used in the same manner as celery. The root is also excellent when properly cooked. Pkt. 10c; oz. 40c; ¼ lb. \$1.50.

CHERVIL

A hardy annual worthy of more general use for flavoring and garnishing. The curled variety is even more beautiful than parsley.

Curled. Greatly superior to the old plain variety, being earlier, more handsome, and having fully as fine perfume and flavor. Pkt. 10c; oz. 25c; ¼ lb. 75c.

CHICORY

Witloof Chicory or French Endive. Grown for its use as a salad, the blanched head resembling Cos Lettuce in appearance. The seed planted in late Spring give parsnip like roots by late Autumn. The roots are then placed in earth where there is some heat, as in the greenhouse boiler room, or a warm cellar. The root then throws out the blanched salad head. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

Large-rooted, or Coffee. Our stock is the improved type, with very much larger, smoother, whiter and proportionately shorter roots than the old kind. The dried and prepared roots are used quite extensively as a substitute or adulterant for coffee and the leaves used as a salad. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.



CORN SALAD

CORN SALAD

Fetticus, or Lamb's Lettuce. This small salad is used during the Winter and Spring months as a substitute for lettuce, and is also cooked and used like Spinach. In warm weather the plants will mature in four to six weeks. Sow the seed in shallow drills about one foot apart. If the soil is dry it should be firmly pressed over the seed in order to secure prompt germination. On the approach of severe cold weather, cover with straw or coarse litter. Like most salad plants, greatly improved if sown on very rich soil; indeed, the ground can scarcely be made too rich for them. Pkt. 10c; oz. 20c; ¼ lb. 50c.

COLLARDS

A form of cabbage or kale much grown throughout the South. It produces large leaves and at times a modified head on a tall stout stem. Freezing does not injure but rather improves the quality.

Georgia, Southern or Creole. We offer the true white or green stemmed sort. Pkt. 10c; oz. 20c; ¼ lb. 50c.

Buncombe or Cabbage Collards. A cross between Georgia Collards and Charleston Wakefield Cabbage, bred for the easy growth and hardness of the Collard and the flavor and heading qualities of the Cabbage. It doesn't winter-kill with ice and snow and stands hot weather as well. Heads are rounded, not as firm as many Cabbages but of delicious flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c.

CAULIFLOWER



LEONARD'S SNOWBALL CAULIFLOWER

Culture. Cauliflower, while it resembles cabbage and requires very much the same treatment as outlined under and for cabbage, is not so hardy as cabbage, needs more water, needs more cultivation and requires generally treatment superior to cabbage. Cauliflower cannot be expected to mature satisfactorily in hot, dry weather, and as it requires 110 to 150 days for different varieties to mature, its planting should be correctly timed. Start cauliflower under glass or where cabbage plants can be wintered, winter Cauliflower. One ounce gives 2,500 plants and one-fourth to one-half pound of seeds plant an acre. When the head or heart of cauliflower, as you may think or feel of it, called the "curd," appears, tie the outer leaves over the head or pin these leaves with wood pins or beef skewers so the leaves will shade and blanch the curd and then cut the curd before it starts to branch. Remember that all the enemies of cabbage emphatically attack cauliflower and are to be combatted in a like manner.

Leonard's Snowball. The leading Cauliflower at Chicago and unquestionably the purest strain of "Snowball" Cauliflower seed to be had. Heads uniform; of desirable market size and of snowy whiteness.

After many years competitive tests it is pronounced by expert cauliflower growers to be the best for both early and late planting. Successful frame growers of cauliflower say that under glass

culture our Snowball outclasses any strain of cauliflower seed known to them. There are many expert cauliflower growers at Chicago, none better anywhere that we are aware of. Other strains of Snowball seed are well known to them and this strain of ours is their favorite for early, for late and for forcing. Strong recommendations surely. **Pkt. 25c; oz. \$2.00.**

Danish Dry Weather. Produces solid pure white heads considerably larger than Leonard's Snowball but is about a week later. This variety is especially adapted for growing in dry sections where nearly all other varieties fail to make good heads, but does equally well in all weathers. **Pkt. 25c; oz. \$2.00.**

Large Early Erfurt. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late Spring. **Pkt. 25c; oz. \$2.00.**

Extra Early Paris. This is a good early sort, and in a good season does well. Not as sure a header as the higher priced varieties. **Pkt. 15c; oz. \$1.00.**

Autumn Giant. A late sort of fairly good quality. Will do well under favorable conditions. **Pkt. 15c; oz. \$1.00.**

Late Algiers. An unsurpassed variety for planting in the South. It will head when others fail. The plant is large, but of upright growth, the leaves protecting the head so that they will endure uninjured a frost that would ruin other sorts. **Pkt. 15c; oz. \$1.00.**

CELERY

Press celery seed into the ground; do not try to cover it, and when seed is kept wet and not above 60 degrees F. germination occurs in ten to twenty days. Celery needs four to five months from seed to use, so very early celery should be started in hotbeds after January, and when two inches high transplanted or thinned to a space of two inches. Later trim the tops to produce stocky plants and when five inches high set where plants are to mature, first trimming off one-third of the roots and leaves. Celery seed may be planted out of doors north of the Ohio in April and treated as outlined above. Given sufficient water, celery can be grown on any good garden soil and one ounce of seed gives about 6,000 plants.

When almost grown, celery must be blanched; that is, the light is excluded from the edible stalk by the use of boards, earth, paper or other covering. If boards are used rows can be set as close as thirty inches; if earth blanched forty-eight inches or more is better. Set the plants six inches apart in the row and press the soil firmly about the roots. Again celery is set in solid beds eight inches each way, and the shade of the crowded bed does the blanching. With a few stalks in a garden a tile set over the plant or a wrapping of paper answers the purpose. If earth is used in blanching it should be drawn about the plant to one-third its height and repeated twice a few days apart till leaves only are exposed. Do not cultivate, hill or disturb celery when damp or rust may occur. In this hilling with earth called handling, place a peg at end of row with string to it, and pass string about each plant so as to prevent earth from falling into the heart during the work. To store, celery should be only partly blanched.

Celery matures best in cool moist weather, so the grower farther south may delay this planting calendar to fit his own market and convenience.

Golden Self Blanching. The best of all early self-blanching varieties. First introduced in America in 1884, this is decidedly better in quality than the White Plume. It is ready for use nearly as early, blanches as easily, and is larger in size as well as finer in quality. It is of dwarf compact habit, with thick, solid, heavily ribbed stalks which blanch easily to a clear waxen yellow. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Henderson's Easy Blanching. Excels in the qualities that give self-blanching celeries their value. It bleaches earlier and quicker than any of this class; it is the longest keeping variety grown (if put away green), excelling in this respect every other sort. Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$3.00.

Wonderful or Golden Plume. A selection from or a cross with the Golden Self Blanching, the stalks are short—the heart is large, with a protecting tuft of foliage in the middle. More vigorous than Golden Self Blanching, it withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. It deserves a thorough trial. Pkt. 10c; oz. \$1.00; $\frac{1}{4}$ lb. \$4.00.

White Plume. This is the earliest and most easily blanched, but does not keep well taken from the trenches. The plants grow rapidly and blanch easily during the summer months. Later in the fall the central stalks and leaves are of pure snowy whiteness even without earthing up. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

Columbia. A desirable early maturing variety, following in season Golden Self Blanching which it resembles in many respects. The stalks are of medium height, very thick, round and crisp, blanching to a light golden yellow. It is unsurpassed for its distinct, rich, nutty flavor. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Winter Queen. This is, without doubt, the most valuable variety of celery for winter and spring use ever introduced, even excelling the celebrated Perfection Heartwell as a late winter keeper. It is also much stouter, thicker and



GOLDEN SELF BLANCHING

heavier, with double the amount of heart of any known celery. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Dwarf Golden Heart. A variety of sturdy, dwarf habit. It is solid, an excellent keeper, and of fine nutty flavor. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Boston Market. For many years one of the most popular sorts in the markets of Boston. Instead of a single large heart it forms a number of smaller ones, which are very white and remarkably tender and crisp. The best variety for light soils. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Giant Pascal. This is a green leaved variety developed from the Golden Yellow Self Blanching, and is an excellent sort for fall and winter use. It blanches to a beautiful yellowish-white color, is very solid and crisp and of a fine nutty flavor. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

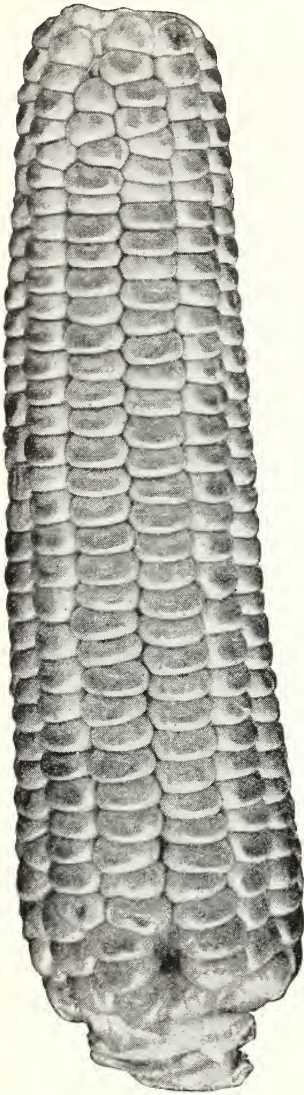
Giant Golden Heart. This variety attains a large size, but still remains crisp and tender. It is a fine keeper and is a favorite on the Chicago market. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

Dwarf White Kalamazoo. Dwarf, white; stiff close habit; solid crisp. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

GERMAN CELERY OR CELERiac

Large Smooth Prague. Has a large smooth root, and is the finest of all celeriac. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

SWEET CORN



**LEONARD'S
GOLDEN HUMMER**

Leonard's Golden Hummer. The largest and earliest of the Yellow Sweet Corns. Our trials show it to be six days earlier than the Golden Sunshine and the ears fully an inch longer and is a twelve rowed corn. Our market gardeners find it a very profitable variety on account of its size and earliness. We highly recommend it to you. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Leonard's Early. Ready for the market six to eight days ahead of Early Mayflower. The stalks are short and stocky, usually producing two large handsome ears on each stalk. The corn is a beautiful waxy white, of a wonderful sweet flavor and is ready for market so much ahead of the other early varieties that it brings a high price on the market. We strongly recommend this new variety of sweet corn. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Golden Sunshine. The earliest of the Golden Bantam type, maturing a week to ten days

earlier than that variety. More dwarf in habit than Bantam with ears 6½ inches long, containing 12 rows of broad yellow, sweet grains. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Whipple's Early Yellow. A remarkable new yellow sweet corn of much merit. While the stalks grow 6 feet or more in height and the 14-rowed ears are 7 to 8 inches in length, this variety matures three days later than Golden Bantam. The kernels are broad, deep and of excellent quality. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Golden Bantam. A very early sweet corn with golden yellow grain very tender and of excellent quality. The ears are six to seven inches long and of the medium size found most suitable for the table. The flavor is exceptionally rich and delicious. Height about four feet. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Bantam Evergreen. A cross between Golden Bantam and Stowell's Evergreen. Ears 8 inches long, 12 to 14-rowed; mature with Howling Mob; grain rather broad and deep, and of a rich golden-yellow color. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

De Lue's Golden Giant. The originator claims that this variety is fully as early as the Golden Bantam, but is of better quality and double the yield. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Early Cory Red Cob. This variety is the favorite for first early and no other variety has proved earlier. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

White Cob Cory. This is an improvement over the Early Cory, as the cob is white, which gives it a finer appearance. It is as early as the Early Cory and of excellent quality. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Mammoth White Cory. The ears are twelve-rowed, much larger than the old Cory, white cobbled, and covered with very large white grains of good quality. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Mayflower. One of the whitest and sweetest of the early varieties; an exceptionally good yielder and one that deserves to be planted to come in ahead of Golden Bantam; ears average eight inches with deep kernel. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

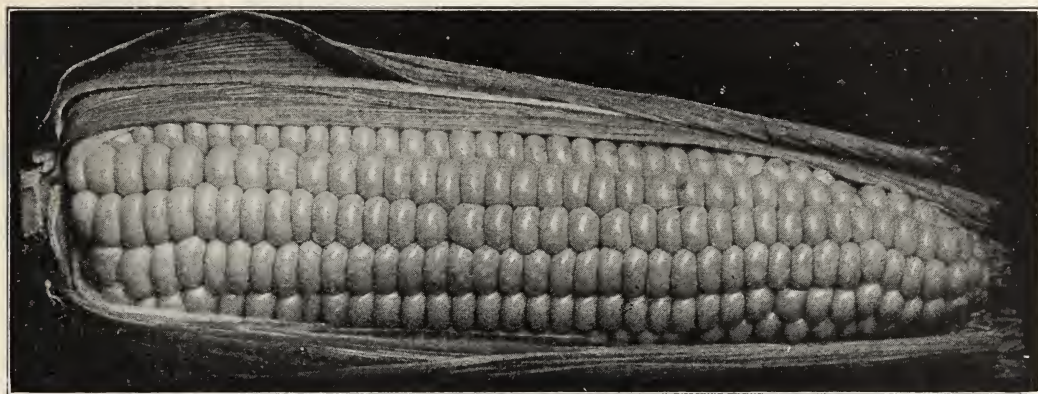
Premo. Is a "sixty-day" sweet corn. It not only combines all the merits of the leading early varieties, but it is also really superior to them all in size, quality and yield. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Howling Mob. One of the finest second early, large eared sorts, very productive, white, and of excellent quality. Ears seven to nine inches long, twelve to fourteen rowed. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Extra Early Adams. This is an extra early field variety, but it is much used as an early market variety, being sweet and juicy. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Truckers' Favorite. A true favorite with the shippers in the South. Produces the finest roasting ears in 65 to 70 days, depending on weather conditions. The handsome ears are 8 to 10 inches long, 14 to 16 rowed, usually two to the stalk; the kernels are white, deep, sweet and exceptionally tender. Can be planted either early or late. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

SWEET CORN—Continued



EARLY EVERGREEN

Early Minnesota. One of the standard early sorts. Ready for market two weeks later than Cory or Chicago Market. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Crosby's Early. An early corn of large size and choice quality. It has long been a standard variety. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Early Evergreen. The ears of this corn grow eight inches long, are mostly fourteen to eighteen rows. This is a magnificent kind for market gardeners and for main crop in every home garden. It ripens ten to twelve days in advance of Stowell's Evergreen and is equally as good for all purposes. The kernels are very sweet and tender, and when eaten from the cob break off free from husky tips so common to some otherwise fine table corns. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Kendall Early Giant. A valuable early sweet corn. The ears grow to tremendous size, measuring eight to ten inches long, and having ten to eighteen rows on each cob, the majority having twelve rows; kernels pure white, sweet, tender. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Early Mammoth. Closely resembles the Late Mammoth, but is a little smaller, and about two weeks earlier. Of good size and quality. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Potter's Excelsior or Squantum. Fine, large ears and deep grain; one of the sweetest varieties. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Mammoth Sugar. A large late variety having ears of mammoth size, fourteen to twenty rows. Quality excellent, not exceeded by any variety. A good canners' variety, being white grained and very uniform. A week later than Stowell's Evergreen. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Hickox. Earlier than Stowell's Evergreen, and makes a large attractive ear of white and handsome grain. Very prolific; ordinarily every stalk will have two large, fully developed ears. The best sort for drying. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Old Colony. This variety is two weeks earlier than the Evergreen and almost as large. It is considered the best and sweetest by canning factories. A fine paying variety for market. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

White Evergreen. This is a high-bred white type Stowell's Evergreen. It has been developed by careful work, only the finest white-eared product being saved and selected each season. The stalks are of strong, vigorous growth, six to seven feet high. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Country Gentleman. We have a stock of this excellent sweet corn that is exceptionally good. There is no sweet corn that compares with the Country Gentleman for sweetness. It is the variety par excellence where quality is desired. Market gardeners who make a specialty of growing for hotels and high class restaurant trade use this as a main crop variety in preference to any other. For home use it will be found superior and it is very productive. The fact that it is a favorite variety with canners proves its merit. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Stowell's Evergreen. This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden. Great care has to be exercised in the selection of stock to grow seed from, as this variety has a tendency to deterioration and a shorter grain, which makes it less sugary and desirable. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Black Mexican. This corn, when in condition for the table, cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. For family use it is considered by many the most desirable of the medium late sorts. It does especially well for the second early in the South. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

Leonard's Narrow Grain Evergreen. This type of sweet corn is a stock worked up by S. F. Leonard after several years of experimenting. In it we feel that we have something vastly superior to the old wide grain Evergreen. The ear is as large as the Stowell's Evergreen and averages more rows to the ear. The cob is small in comparison to the size of the ear, and the kernels are very long, narrow and remarkably free from starch. The rows are uniformly straight and the ear holds its evenness from butt to tip more uniformly than any other type of Evergreen. Pkt. 10c; $\frac{1}{2}$ lb. 15c; lb. 30c.

CUCUMBER

Culture. Not before corn planting time plant cucumbers out of doors in drills or hills one-half inch deep. The crop may be advanced two weeks by starting in the hot bed or greenhouse on inverted four-inch sods covered with leaf molds. The plant will appear in four to eleven days and in three weeks from seeding, when the plant has two to four leaves, it is ready to transplant outside.

Mark the field up and down hill, then furrow across its face in a four-foot check and at each intersection drop manure or fertilizer, or, better, both. Throw earth to this intersection to form an elongated hill four inches high. Plant the seed like a short drill, not haphazard; then later two strokes of the hoe cleans this short drill.

Be generous. Use a dozen seed to a hill, and after the striped beetle has his toll, thin to three plants to a hill. To check the beetle, use on foliage, but not too heavily, road dust, ashes, soot, air slaked lime, bone flour, tobacco dust or arsenate of lead; pull earth about the stem or cover the hill with netting.

Cultivate as long as possible. Cut the cucumbers. Do not pull or bruise them and to keep the plants bearing, cucumbers must not be permitted to ripen.

Chicago or Westerfield Pickling. A variety esteemed above all others by Chicago market gardeners and extensively grown for the large pickling establishments in this vicinity. Fruit medium length, pointed at each end, with large and prominent spines. Color a deep green. It combines all the good qualities of an early cucumber. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Snow Pickle. A choice pickling variety similar to Chicago Pickle. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

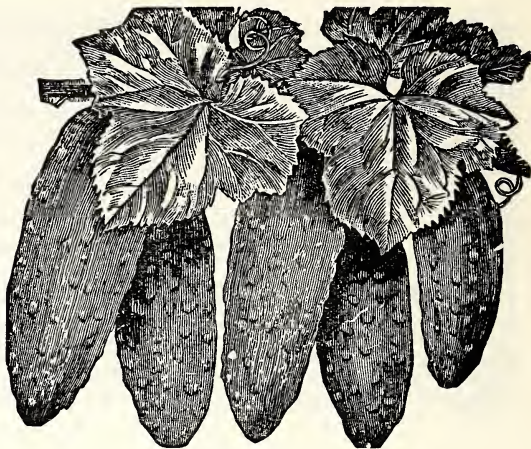
West India Gherkin. A very small, oval, prickly sort, distinct from all others. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.

Early Cluster. Vines vigorous, producing the bulk of the crop near the root and in clusters. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Green Prolific or Boston Pickling. A favorite with pickle growers and commercial gardeners and good for table use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Early Frame or Short Green. An excellent sort for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green; flesh tender and crisp and makes fine pickles. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Everbearing. Small size, very early and enormously productive, and valuable as a green pickle. It continues to flower and produce fruit



CHICAGO PICKLING

until killed by frost. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Improved Long Green. Not so abundant a bearer as the preceding sorts, though recommended to all who put up their own pickles. Fruit long and slim, not surpassed in quality by any variety. We have been working on our stock of this variety for several years and now feel that we have the very choicest strain obtainable. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

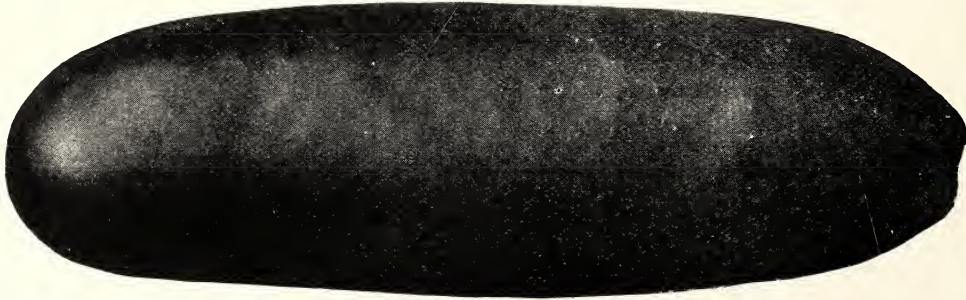
Stays Green. $6\frac{1}{2} \times 2\frac{1}{4}$ inches. A good dark green color. Medium in size. Good Shipper. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Leonard's Greenhouse. This is a stock of cucumber upon which we have spent much time. The seed we offer is of our own growing and the selection is from the finest types only. The value of it to market gardeners and greenhouse men who desire a uniform, deep green, extra long cucumber, will be appreciated as soon as tried. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Early Improved White Spine. One of the best sorts for table use. Vines are vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Evergreen White Spine. An improved strain of the well-known White Spine, and a favorite with market gardeners, both for forcing and outdoor culture. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Arlington. A selection from the White Spine, being more pointed at each end. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.



IMPROVED LONG GREEN

CUCUMBER



DAVIS PERFECT

Leonard's Cucumber Seed. Cucumber seed, to give the best results and make the finest crops, should be saved from the choicest fruits only. Our Cucumber seed is produced in localities where it is grown for seed only and not where the good fruits are marketed and only the culls used for seeds. We save our seed from those fruits only that show the proper size and shape and we know how to wash and dry seed properly in order to secure heavy, plump seed of high germination.

As Cucumbers are used in so many different ways, be sure you buy seed of the right variety for the purpose you want to use them.

Leonard's Dark Green. $9\frac{1}{2} \times 2\frac{1}{2}$ inches, a splendid, large cucumber of a rich dark green color. Flesh white, firm and crisp. A splendid shipper. Holds its dark color. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.**

Black Diamond. A small early shipping Cucumber. Dark green color. Good yielder; excellent for shipping. Size $6\frac{1}{2} \times 2\frac{1}{4}$. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.**

Earliest of All. Possibly the earliest of the white spine cucumbers, this variety is medium in length, smooth and very symmetrical, while the dark green color is excellent. Its chief use is for long distance shipping; it has value because of its earliness. It is also adapted for pickling and is grown commercially to a large extent in some sections. Size $7\frac{1}{2} \times 2\frac{1}{2}$ inches. Edible in 55 days. Weight $1\frac{1}{2}$ lbs. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.**

Davis Perfect. In color, a dark glossy green; shape slim and symmetrical, with an average length of ten to twelve inches. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.**

Klondyke. A medium early, very good strain of white spine; fruit attractive, full, uniform, rather thick, short and blocky, tapering abruptly at both ends; color very dark green which it holds well. **Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.**

Fordhook Famous. Of the true White Spine type. Vines produce an enormous crop, being of unusually vigorous growth. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.**

The Vaughan. Compared to the other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. The ideal American forcing variety, as well as an outdoor sort. Our cus-

tomers who grow it have greenhouse cucumbers raised outdoors. **Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.**

Early Fortune. The finest market cucumber of the White Spine type. The fruits measure nine inches long and are slightly tapering. The thick flesh is pure white, firm and unusually crisp, with very few seeds. The fruits are of a rich, dark green color which does not fade when shipped to distant markets. **Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.**

Always Green. $7\frac{1}{2} \times 2\frac{1}{2}$ inches. Very early. Matures 53 to 55 days. Uniform shape; tapering slightly; rather blunt at both ends. Holds its rich, dark green color. A good shipper. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.**

Japanese Climbing. While all cucumbers are running vines, yet this variety is much more creeping or climbing in its habit. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.**

White Wonder. Fruit produced in clusters. Color ivory white from time of forming until maturity. **Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.**

CRESS

True Water Cress can be easily grown by sowing the seed broadcast on garden soil and keeping the soil very wet till the plants are big enough to transplant to shallow indentations about five inches deep here and there along the sides of a clean flowing stream. There it will continue to spread by the lengthening of its roots, also by reseeding and requires no further care. The crop can be grown to maturity in wet garden soil, or the seed can be sown directly to the mud along the stream, but with lesser measures of success. April or September is a good time to plant these minute seeds, and this aquatic prefers to stand with its roots and most of its stems submerged. Cutting can begin in about sixty days, and a little later frequent cutting, using a sharp knife, will stimulate plant growth. **Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.**

Curled or Pepper Grass. A pungent, quick-growing plant that poorly parodies the water cress flavor, can be grown in any garden soil as soon as the ground can be worked. Plant one-half inch deep in one-foot rows, thinning the plants to four inches. **Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.**

DANDELION

Improved Thick Leaved. One of the earliest and best greens in cultivation. **Pkt. 10c; oz. 75c.**

PLANT A GARDEN

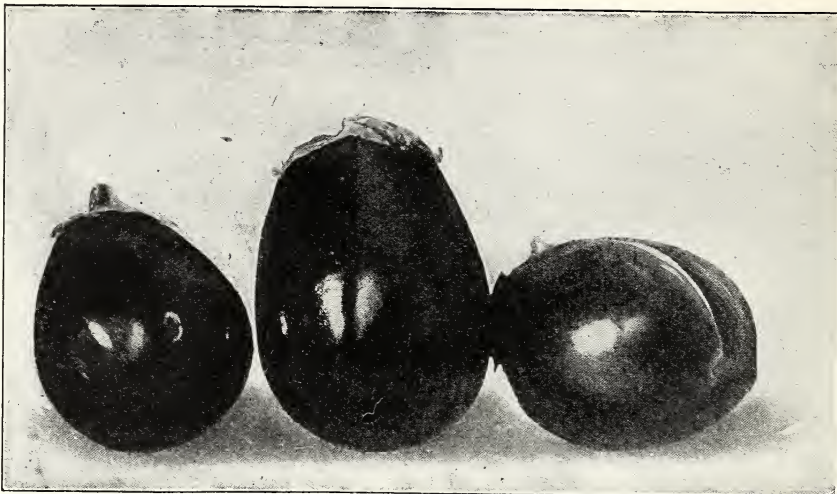
EGG PLANT

Culture. Treat the Egg Plant like a tender tomato that required even a longer period to mature. After cabbage plants are out of the hotbed or greenhouse, which is April north of the Ohio, sow egg plant, keeping even the night temperature above seventy degrees. One ounce of seed gives two thousand plants, and four ounces plant an acre. Transplant later to pots or to a three or four inch stand, and when corn is shoe high, put egg plant outside on rich, well drained land. Set the plants two feet apart in four-foot rows, shading or watering the plants if it is sunny or dry.

Leonard's Improved New York Purple (Spineless). Very large and smooth, fine dark color. Ours is the spineless plant, most preferred by our market gardeners, both east and west. We have made the most careful selection possible of our stock plants, and know it to be unsurpassed for the market. **Pkt. 10c; oz. 60c; ¼ lb. \$2.00.**

Black Beauty. The fruits are rich dark purple, large and symmetrical, maturing a little earlier than Improved New York Purple but usually not quite as large. A very desirable sort for the market as the fruit holds its color a long time. **Pkt. 10c; oz. 50c; ¼ lb. \$1.75.**

Black Pekin. A fine variety, bearing large, round deep purple fruit, fine grained and of superior quality. **Pkt. 10c; oz. 50c; ¼ lb. \$1.75.**



LEONARD'S IMPROVED NEW YORK PURPLE EGG PLANT

Florida High Bush. The fruits of this variety are borne higher off the ground than other varieties, which is advantageous in keeping out "rot" and "blight." The plants are strong and stand unfavorable weather conditions remarkably well. The fruits are of uniform dark purple color. **Pkt. 10c; oz. 60c; ¼ lb. \$2.00.**

ENDIVE

Culture. Endive, or winter lettuce, used as a salad, as greens or garnishing, is usually planted one-fourth inch deep in a seed bed in mid-summer, and when convenient after a month transplanted to stand one foot apart in eighteen-inch rows. When almost grown and about two weeks before ready to use, it is blanched by tying the leaves together with soft cord, or the blanching is done by turning a flower pot or tile over each plant, or by blanching with earth, like celery. The blanching removes the green plant's acrid taste. The plant may be, but seldom is, used as an early spring crop. Three to five pounds of seed plant an acre.

Green Curled. Beautifully curled, tender and crisp. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Moss Curled. More finely curled, and a heavier and more dense plant than Green Curled. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

White Curled. Very tender when cut young; blanches readily. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Broad-Leaved Batavian. (Escarrole.) This variety is chiefly used in soups and stews; requires to be tied up in blanching. **Pkt. 10c; oz. 15c; ¼ lb. 60c.**

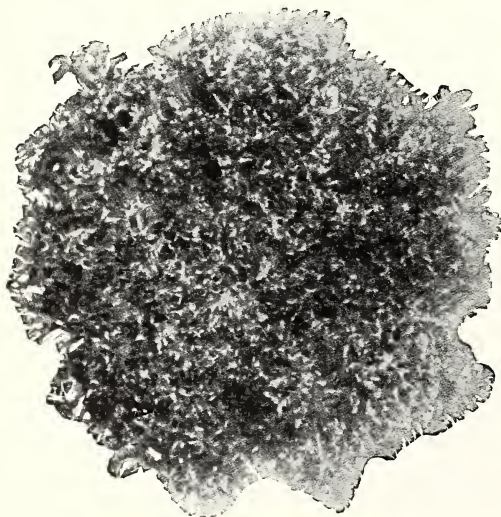
French Endive. See Witloof Chicory.

GARLIC

A member of the onion family with a strong penetrating odor; not propagated by seed, but by dividing the bulb. Prices on application.

HORSERADISH

Horseradish produces no seed, but is grown from pieces of the roots. Prices on application.



ENDIVE—GREEN CURLED

KALE OR BORECOLE

Culture. In Virginia, kale planted in late August has some of its plants thinned out and sent to market within sixty days and the cutting then continues until the field is clean in April. Further north, kale is treated like the cabbage; that is, planted early in spring in hotbeds or out of doors, and it is used in the fall when light frosts have improved it. Kale is sown in two and three-foot drills and then thinned to six to twenty-four inches, according to varieties. One ounce sows generously one hundred yards and four pounds plant an acre.

Dwarf Curled Scotch. Plant low and compact, but with large, bright, deep green leaves, curled, cut and crimped until the whole plant resembles a bunch of moss. One of the best sorts for use, and when well grown and cooked is one of the most palatable of vegetables. **Pkt. 10c; ¼ lb. 35c.**



DWARF CURLED SCOTCH

Tall Green Curled Scotch. This is very hardy and is not injured by a moderate frost. About thirty inches tall, with an abundance of dark green leaves which are densely curled and cut, forming a very beautiful plant. It stands the winters in the Middle States without any protection. **Pkt. 10c; ¼ lb. 35c.**

paratively plain in the center but coarsely cut and frilled on the edge. The plant is low but spreading and very hardy. **Pkt. 10c; ¼ lb. 35c.**

German Dwarf Purple. Similar to the Dwarf Curled Scotch, but of a rich purple color. **Pkt. 10c; ¼ lb. 35c.**

Siberian. Sometimes called Sprouts. In this variety the very large, green leaves are com-

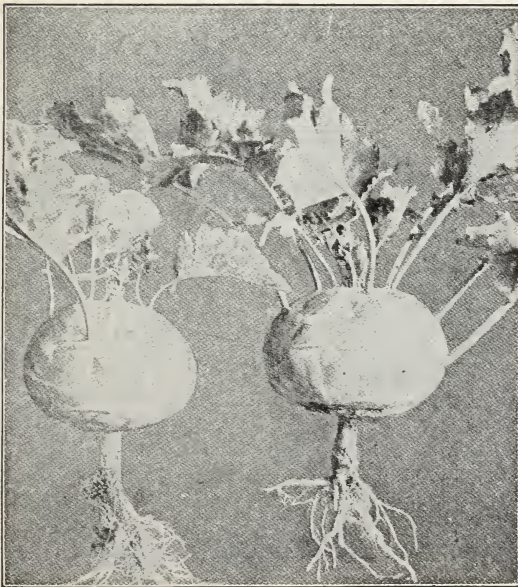
KOHL-RABI

Culture. This relative of the cabbage, that looks like a turnip that grew above the ground, can be treated very much as either cabbage or turnips. One ounce sows one hundred yards and four pounds plants the acre. Sow in eighteen to twenty-four-inch rows, thin to four inches apart and use for the table when small. Like the turnip, we cannot expect good kohlrabi in the Summer heat, but a planting made about August first north of the Ohio will give a crop for winter storage. Do not overlook the value of this plant as a stock food.

Early White Vienna Forcing. An extra early variety ready for table seventy-five to eighty days after planting. Has very few short leaves, and the bulbs are very sweet and tender when two and one-half to three inches in diameter. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

Early Purple Vienna Forcing. Bluish purple; similar to above, except in color. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

Large Green. Hardy, quite late, and used for feeding stock. Bulbs large, weighing eight to ten pounds, whitish green in color; leaves large and numerous. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**



EARLY WHITE VIENNA KOHL-RABI

LEEK

Culture. This mild member of the onion family is used in soups and salads. Sow one ounce to one hundred feet of row and four or five pounds to the acre, one-half inch deep, as early as the soil can be worked in spring. Thin the plants to a stand of four to six inches in twelve to eighteen-inch rows. It is advisable to throw earth to the plant to blanch it, very much as celery is blanched.

London Flag. This is the variety generally cultivated in this country. It is hardy and of good quality. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Large American Flag. A variety which has become very popular with some market gardeners on account of its being larger than the London Flag. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Large Musselburg. The largest variety, often three inches in diameter and becoming very white and tender. A hardy and desirable sort. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Monstrous Carentan. The favorite market variety, large, thick stem, of mild flavor and attractive appearance. Pkt. 10c; oz. 25c; ¼ lb. 75c.

LETTUCE

Culture. As lettuce will stand considerable freezing, it may be seeded or transplanted out of doors as soon as the soil can be worked in Spring. For a succession, replant every three weeks till within sixty days of freezing weather. The soil cannot be made too rich and this crop must be grown quickly and unchecked to be of superior quality. North of the Ohio lettuce is frequently started under glass like cabbage in hotbeds; in February transplanted to cold frames and hardened to be set out of doors in early April. In more southern or milder winter climates, lettuce may be sown in Autumn, protected with sash or coarse litter and in late Winter transplanted, or thinned and matured where planted. When the crop is matured under glass it requires much ventilation and little heat, and beware of too much water in cloudy weather. In the Summer's heat canvas or a slatted half shade and plenty of water is of value. One ounce of seed gives two thousand plants and three pounds plants an acre. In the seed bed drop twenty-five seed to the foot, and gently rake it in; failure may result from too deep a covering. Mature lettuce in twelve to eighteen-inch rows, giving the loose leaf varieties three to eight inches in the row and head lettuce six to twelve inches.

Black Seeded Simpson. Forms large, loose heads. Leaves thin and exceedingly tender, of light green to golden yellow. Best sort for forcing or outdoor early planting. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Grand Rapids Forcing. Preferred by a great many to the Black Seeded Simpson, on account of being a tougher leaved lettuce. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Early Curled Simpson White Seed. Forms a close, compact mass of curly yellowish green leaves. Earlier than the head varieties. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Early Curled Silesia. A very early tender sort, with fine curled leaves. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Denver Market. This is a fine crisp, crumpled head variety. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Prizehead. Is a curled or crisp non-heading variety, medium size, light brown on a medium green base. It is one of the best home garden varieties, as it grows quickly and makes a lot of good eating leaves, which are of remarkably

good flavor. The name is misleading, as it is a strictly non-heading variety. Pkt. 10c; oz. 15c; ¼ lb. 45c.

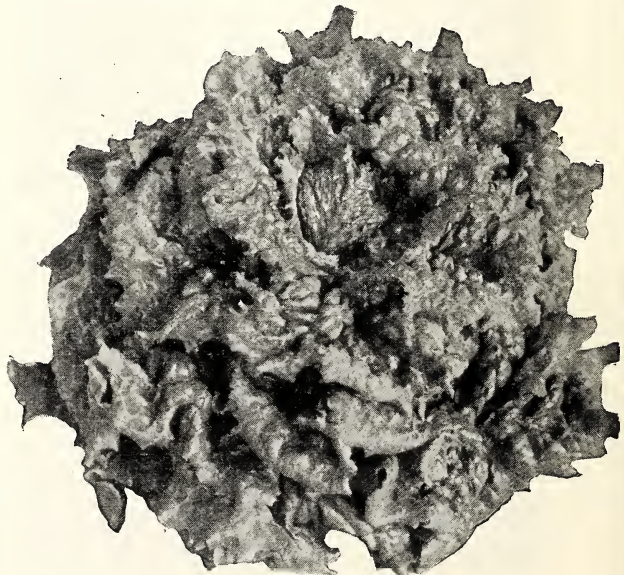
Improved Hanson. Heads very large, from two to three pounds each; hearts quickly and stands the Summer well; quality excellent. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Boston Market. Also called White Seeded Tennis Ball. The best of the head varieties for forcing. Pkt. 10c; oz. 15c; ¼ lb. 45c.

Tennis Ball B. S. Practically the same as Salamander. It is a cabbage butter head of medium size and good green color. Leaves are straight but crumpled and forms a good solid head. This lettuce does well in almost any weather and is a good variety of fine quality. Pkt. 10c; oz. 15c; ¼ lb. 45c.

St. Louis Butter. The most popular and satisfactory head lettuce. It forms a fine head, is tender and crisp, and is very slow to run to seed. Pkt. 10c; oz. 15c; ¼ lb. 45c.

All Seasons. One of the best all head lettuces. Pkt. 10c; oz. 15c; ¼ lb. 45c.



BLACK SEEDED SIMPSON

LETTUCE



ICEBERG

Iceberg, W. S. A beautiful lettuce. Large, curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Mignonette, B. S. Curled or crisp; heading; small; medium brown with dark greenish tinge. Leaves much crumpled. Forms a small but very compact hard head, which sometimes must be cut two or three times to allow the seed stalk to run up. A popular variety in some sections and of good quality. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.

Philadelphia Butter or Early White Head. An excellent variety for Spring or Fall market, producing large, solid heads which blanch readily. Crisp and of good flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Brown Dutch. This variety is a good variety. Makes a round head tinged with red. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Winter Lettuce. A compact, solid, hardy lettuce for late Winter or early Spring use. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Romaine or Paris White Cos. The best known and most popular Cos variety in America. Is medium large, medium green. It forms a good well folded head of fine quality which blanches readily. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Chicken Lettuce, W. S. A dark green cutting lettuce, butter type, producing the largest supply of leaves of any known lettuce. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

The Leonard Lettuce. Cabbage head is the head lettuce for early and late Summer planting. Produces a very fine early large solid head, color a fine light green, free from spots. Small ribbed leaves that are very tender and crisp. Too much cannot be said about our stock, which is very true to type. As this variety withstands the heat far better than Big Boston, it is a very great favorite with our market gardeners for early and late planting. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Big Boston. This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but is double the size. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

White Summer Cabbage. A very old sort, medium in size, medium green and crumpled. This variety is a very good quality cabbage or butterhead. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

The Deacon. A magnificent butterhead lettuce. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

May King. Plant this lettuce for the first early head lettuce. It is equally good for outdoor planting or forcing. The outer leaves have a slightly brownish tinge, while the heart is a beautiful yellow, very crisp and tender. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

New York or Wonderful. One of the very best of the curled or crisp heading varieties. The head, at first pointed or conical, becomes globular at maturity and is of medium large size, dark green in color and slightly curled on edges. Heads are very hard and well blanched. Quality is excellent, being sweet yet never buttery in flavor. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

California Cream Butter. A grand, good butter lettuce. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Salamander. This will stand the Summer heat better than any other variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.



BIG BOSTON

MUSK MELONS

Culture. Musk melon, water melon, cucumbers, gourds and squash are known as cucurbits. For musk melon follow our cultural directions for cucumber except that where a robust growing variety of musk melon is grown, a space of as much as six by six feet is sometimes required between hills. One ounce of seed plants fifty hills, and three pounds plants an acre. The crop, or the last planting for a succession, should be in June north of the Ohio.

While not necessary, it is advisable to pinch off the branches of musk melon if a quicker matured or a large or a better fruit is required. Pick the melon when it parts from the stem without difficulty and store a few days in cool room.

Rocky Ford. This has become one of the most popular of small or crate melons and is shipped in large quantities from Colorado and Arizona. The vines are vigorous and productive. The fruits are oval, slightly ribbed, densely covered with fine netting. Flesh green, very sweet and highly flavored. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Rocky Ford—Pollock 10-25. This melon is identical in shape and size with the Rocky Ford; the flesh is salmon tinted instead of all green. It is rapidly taking the place of the old green fleshed Rocky Ford. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Delicious Gold Lined. A new melon of fine uniform shape and without ribs; slightly oval; meat thick, green and light gold towards center. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

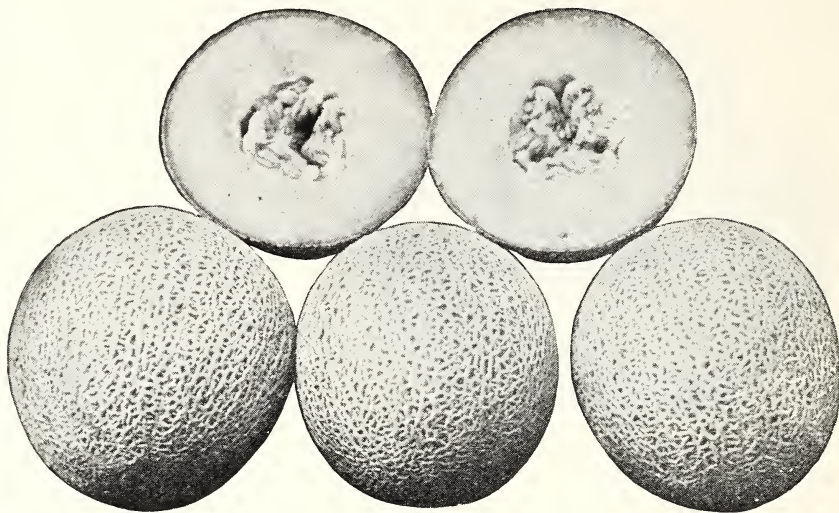
Netted Gem. The best early melon known. Shipped to every market of note, in great quantities, every year. Medium size, but of excellent flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Eden Gem or Netted Rock. Highly esteemed on account of its rust-resisting qualities; is larger than the Rocky Ford, but not quite so early, although it bears longer and is more productive; very solid netting, with almost invisible ribs; nearly ball shaped, green flesh, and fine for home use or market. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Early Nutmeg. A very early green fleshed melon of excellent flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Extra Early Hackensack. The fruits are nearly two weeks earlier than Hackensack, medium to large sized, nearly round or somewhat flattened, evenly and deeply ribbed and with very coarse netting. The skin is green, slightly tinged with yellow as the fruits mature. The flesh is green, a little coarse but juicy and sweet. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Large Hackensack or Turk's Cap. A very large, green fleshed melon. The vines are hardy,



ROCKY FORD

vigorous and productive. The fruits are nearly round, usually somewhat flattened; ribs are large and of irregular width, densely covered with coarse netting. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Chicago Market. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Yellow Meated Japan. A large pink meated melon with whitish skin turning to a lemon color as it approaches maturity, moderately ribbed and netted; not adapted to shipping. Medium late in maturity; edible in 96 days. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Improved Cantaloupe. A very long melon, large and with pink flesh. It is heavily netted and ribbed prominently. It is one of the largest of the pink fleshed sorts and is exceptionally sweet and spicy. However, it has no keeping qualities and must be consumed soon after picking. It is early in maturity but not widely used. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

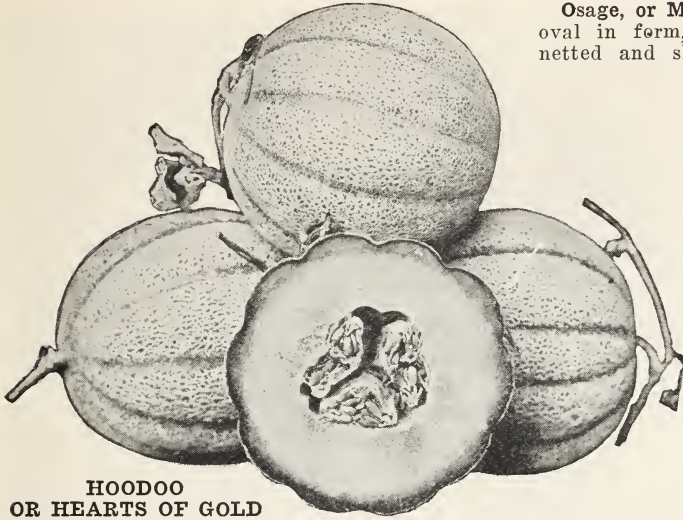
Honey Dew. The fruits are round and slightly oval, six to eight inches in diameter and weigh about six to eight pounds; the skin is smooth and when ripe is creamy yellow in color; flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 65c.

Honey Ball. A cross between Honey Dew and Texas Cannon Ball. Extremely sweet but lacking in flavor. Not as good a shipper or keeper as Honey Dew. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Casaba Melon. The Casabas are primarily for Winter use. They require a long season for maturing but the fruits are exceptionally good keepers. The skin of the fruits is usually furrowed and they possess little or none of the common musk melon odor. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Vine Peach. Very similar to Garden Lemon and used for preserving. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

MUSK MELONS



**HOODOO
OR HEARTS OF GOLD**

Hoodoo or Hearts of Gold. An orange fleshed melon of medium size—fine for the home garden as a mid-season sort, also ideal as a shipping melon, as the rind, although thin, is very firm and is covered with dense fine netting. Vines are vigorous and resist blight well. Fruits are uniform, medium in size, nearly round. The flesh is thick, firm, highly colored and delicious. **Pkt. 10c; oz. 25c; ¼ lb. 50c.**

Burrell Gem. The originator says: "The Rocky Ford melon with Golden Meat." This describes the melon fully, as in the outside appearance it looks just as the best types of green fleshed Gems, or Rocky Fords do, but has orange flesh inside. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Golden Lake Champlain. This very early maturing musk melon produces almost round, medium size melons, well netted, moderately ribbed, thick fleshed, sweet and melting, of golden yellow color. The plants are hardy and vigorous, very productive, producing melons in 87 days. Does well in all sections. **Pkt. 10c; oz. 30c; ¼ lb. \$1.00.**

Paul Rose or Petoskey. A yellow fleshed sort of suitable size for a crate melon and of excellent quality. Vines vigorous and productive. Fruits oval, slightly ribbed and densely netted. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Emerald Gem. A very early, yellow fleshed melon of small to medium size. One of the very best for the home garden. Vines vigorous and productive. Fruits globular or slightly flattened, somewhat irregularly ribbed and very slightly netted. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Osage Gem. Skin is heavily netted like the Rocky Ford, flesh salmon colored and of the highest quality. This melon is very popular with many shippers as it carries well and really has a very wonderful flavor. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Bender's Surprise. A very delicious, large, salmon fleshed melon with superior shipping and keeping qualities. Very popular in the East. **Pkt. 10c; oz. 25c; ¼ lb. 50c.**

Admiral Togo. This is an orange fleshed netted Gem or Rocky Ford. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Osage, or Miller's Cream. Is of medium size, oval in form, dark green in color, somewhat netted and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color; highly flavored and delicious to the rind. Cavity very small. It is a remarkable keeper and a good shipping melon. **Pkt. 10c; oz. 20c; ¼ lb. 45c.**

Milwaukee Market. A medium large, pink fleshed melon with excellent eating qualities. The ribs are fairly prominent and the netting is very heavy; the shape is slightly oval; it is early maturing and is increasing in use each year. The rind is extremely hard; it is almost hornlike, hence it should be an excellent shipping variety. **Pkt. 10c; oz. 25c; ¼ lb. 50c.**

Edwards' Perfecto. The melons are almost perfectly round, heavily netted, no ribs, and the shipping qualities are splendid. Edible in 96 days. **Pkt. 10c; oz. 25c; ¼ lb. 60c.**

Hale's Best. Very early. We have had ripe melons in 68 days in a season remarkable for its coldness. Salmon flesh of exceptional thickness, the shape is oval, about 8 x 4½ inches, with heavy netting and fairly prominent ribs. **Pkt. 10c; oz. 25c; ¼ lb. 60c.**

Honey Rock. A new melon originating in Michigan said to be a cross between Honey Ball and Hoodoo. Almost round of the right size for a breakfast melon. Golden skin with very fine netting, flesh very sweet. Melons run very uniform in size, shape and quality. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25.**

Banana. A long salmon fleshed variety of good flavor, growing about fifteen inches long. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**

Tip Top. This very productive melon is of medium to large size, nearly round, slightly ribbed and fairly well covered with shallow netting. The flesh is deep yellow in color. The universal testimony of every one using Tip Top is that every fruit produced, whether big or little, early or late in the season, is a good one—sweet, juicy, finest flavor, firm, but not hard-fleshed, eatable to the very coating. **Pkt. 10c; oz. 25c; ¼ lb. 50c.**



OSAGE OR MILLER'S CREAM

WATERMELON

Culture. For watermelon, follow our cultural directions for cucumbers, except that it is necessary to give the watermelon a space of eight to ten feet between hills, and thin the plants to two to the hill. One ounce plants twenty-five hills and three pounds of seed plant an acre.

Stone Mountain. A very large, medium dark green, round melon of excellent quality. Flesh highly colored, very solid with fewer seeds than most watermelons. This is rapidly gaining a well deserved popularity in the South where the fruits frequently attain a weight of 60 to 80 lbs. The rind is tough enough to stand handling for nearby markets but will not stand long distance shipping. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

Gypsy or Georgia Rattlesnake. One of the largest varieties and stands shipment long distances. Fruit cylindrical, square at the ends, smooth, distinctly striped and mottled light and dark green. Flesh bright scarlet and very sweet. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Phinney's Early. Few, if any, of the early sorts of recent introduction surpass this old favorite. It is the first to ripen, of good size and productive. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Improved Black Seeded Klondyke. For genuine merit not surpassed by any other kind. Rind dark green, with attractive bright red flesh. Seeds small, black. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

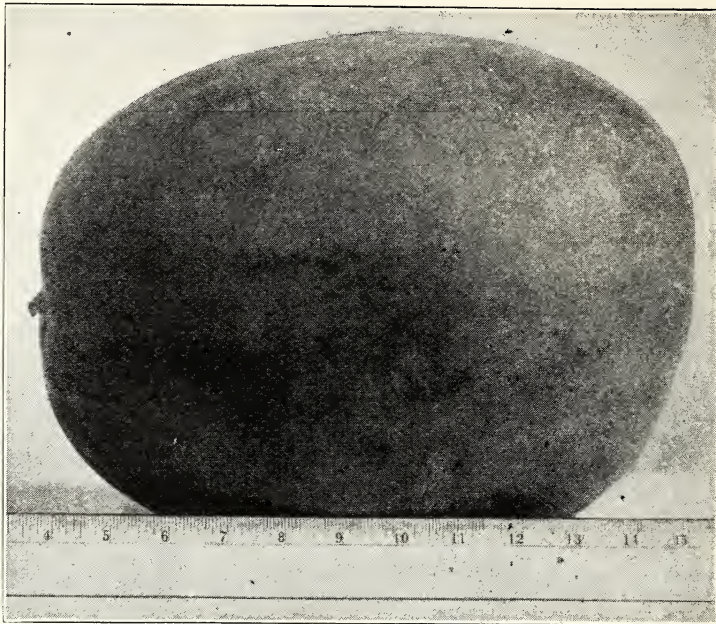
Cole's Early. Very hardy, a sure cropper and extremely delicate in texture of flesh, which is of dark red color; rind is thin and extremely brittle, hence not desirable for shipping purposes, but possessing all the other most desirable features. We highly recommend it for home use. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Harris Earliest Watermelon. The best of the extra early sorts. Fruit slightly oval with irregular mottled stripes of light and dark green. Flesh bright red, sweet and tender. A desirable variety where the season is short. It is hardy, productive and the largest of the early kinds. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Peerless or Ice Cream. Medium sized with very sweet, scarlet flesh. A good variety for main crop. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Sweetheart. This melon is early, large, handsome, heavy and productive. The shape is oval and the color mottled light to a very light green. Flesh bright red, solid, but tender and very sweet. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Dixie. A popular market sort. Vine vigorous, large growing and hardy; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**



STONE MOUNTAIN

Florida Favorite. A very large, long melon mottled dark green with stripes of lighter shade. Rind thin but firm; flesh very bright, deep red, very sweet, tender and excellent. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Hungarian Honey. A very early sort; fine for northern latitudes; perfectly round; brilliant red flesh. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Wonderful or White Seeded Kleckley's Sweets. A very valuable melon, wonderfully productive, long, thick, uniform; color of rind, dark bluish green, flesh sparkling red, sweet and entirely free from hard centers. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

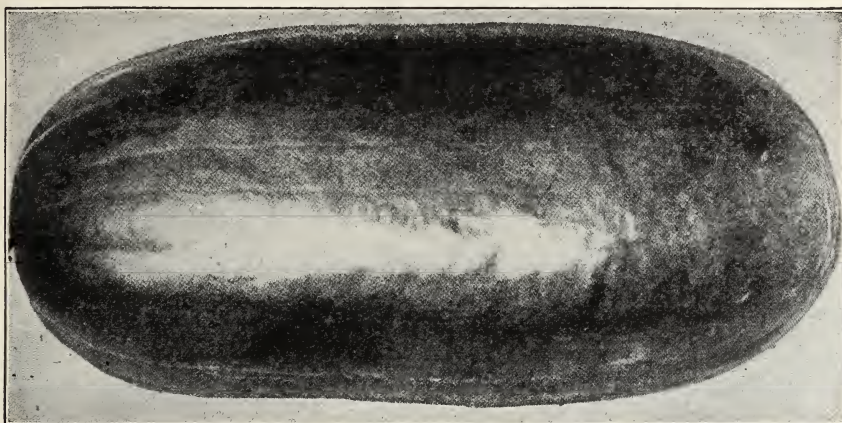
Kleckley's Sweets or Monte Cristo. Unsurpassed for home use or near markets. Vine vigorous and productive; fruit of medium to large size, oblong, tapering slightly towards the stem end, dark green, often showing fine russetting. Flesh very bright, rich red, exceedingly sweet. So crisp and tender that it will not stand shipping, the fruit bursting open if subjected to even a slight jar, or when the rind is penetrated with a knife. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Black Spanish. It is nearly round with very deep green skin. The seeds are very black; it is very early and one of the most productive kinds we grow. While not in wide use, it is desirable as its edible qualities and earliness are good. The weight is about 20 lbs. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Irish Gray. The size is uniform and large. Color of rind yellowish gray and almost as tough as that of the Citron. Ripens earlier than Watson and will keep in good condition for a long time after picking. Very prolific and a good shipper. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Thurmond Gray. Similar to Irish Gray except the fruits are larger and the seed brown. It is doubtful if it has any advantage over the Irish Gray. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

WATERMELON



TOM WATSON

Tom Watson. A large melon similar in shape, and splendid quality to Monte Cristo but averaging larger in size and with a tougher rind, making it especially adapted for shipping. The rind is dark green, with distinct fine veining; flesh is rich red, sweet and tender. Undoubtedly the best shipping melon. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Alabama Sweet. The melons are large, of oblong form and have a firm dark green slightly striped rind. The flesh is bright red and of delicious flavor. Seeds are white, one of the very best of the long melons for shipping purposes. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Angel's Kiss. One of the best flavored sorts—flesh deep crimson, sweet and melting; oblong in shape; very prolific. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Halbert Honey. A variety somewhat similar to Kleckley's Sweets but of much darker color. The vines are very prolific and usually bear four or five very uniform melons. Quality the highest. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Dark Icing. One of the most delicious fruits of round or shortened oval form with dark green skin, flesh deep pink, very sweet and melting. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

McIver's Wonderful Sugar. Without a single exception this is the sweetest watermelon of all. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Bradford. Shape long, color dark, with darker wavy bands, flesh melting and excellent. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Triumph. It is a cross between Duke Jones and Kolb's Gem. It has the handsome appearance and dark green color of the former and the shipping qualities of the Gem; medium season, very prolific, deliciously sweet and of enormous size. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Long Light Icing. The skin is of an attractive mottled very light cream color, the flesh is deep red in color and of very fine quality. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Golden Honey. The best of the yellow fleshed melons. It is oblong in shape, the seeds are white with black tips and the average weight is 20 pounds. The rind is dark green with irregular stripes of darker green. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Green Seeded Citron. Colorado Preserving. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Red Seed Citron. For preserving. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

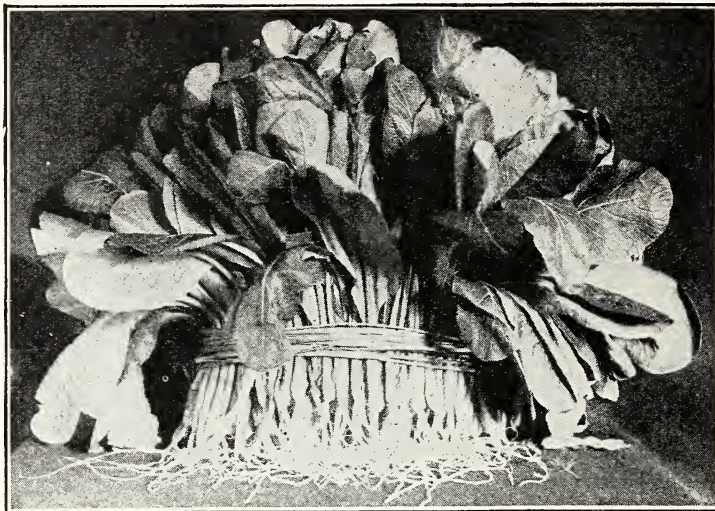
Kolb's Gem. A large oval melon, slightly flattened on the ends. It is striped alternately with dark and light green, black seed and it is adapted for shipping. It is medium late in maturity with an average weight of 20 pounds. One of the standard varieties of Watermelon. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**



KOLB'S GEM WATERMELON

MUSTARD SPINACH

A tender green Spinach of great merit. A wonderful producer and becoming very popular with truckers and farmers throughout the South and Southeast. In Japan it takes the place of Spinach as it remains tender even in dry weather. It is an all season plant, resistant to insects and blight; leaves are mostly used when young and by repeated plantings an abundant supply is available throughout the entire season. It is extremely resistant to cold weather so that early and late plantings are possible. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

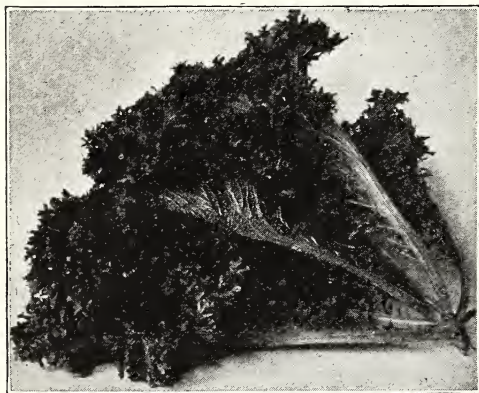


MUSTARD SPINACH

MUSHROOM SPAWN

American, Pure Culture, Spawn. Produced by the new grafting process, from selected and most prolific varieties, has never failed to run. Full culture directions for mushroom growing free. Per brick, 35c.

MUSTARD



SOUTHERN GIANT CURLED

Culture. Mustard is grown for its seed which is used for flavoring or medicinal purposes or grown for its leaf which is used in salad or cooked like spinach. Sow mustard as soon as the soil can be worked in Spring and every three weeks for a succession, or in the South it may be sown in the Fall for early Spring greens. Cover the seed lightly in twelve to eighteen inch drills. Cut the leaf when not over four inches high and expect this cutting in fifty days from the seeding.

Southern Giant Curled. The favorite in the South. Pkt. 10c; per $\frac{1}{4}$ lb. 25c.

Large Smooth Leaf. Has very large plain leaves, perfectly smooth and ovate in shape. Pkt. 10c; per $\frac{1}{4}$ lb. 25c.

Chinese Broad Leaf. Very large, broad leaved variety, very productive and slightly curled. Pkt. 10c; per $\frac{1}{4}$ lb. 25c.

White. Best for general use. Pkt. 10c; per $\frac{1}{4}$ lb. 25c.

OKRA, OR GUMBO

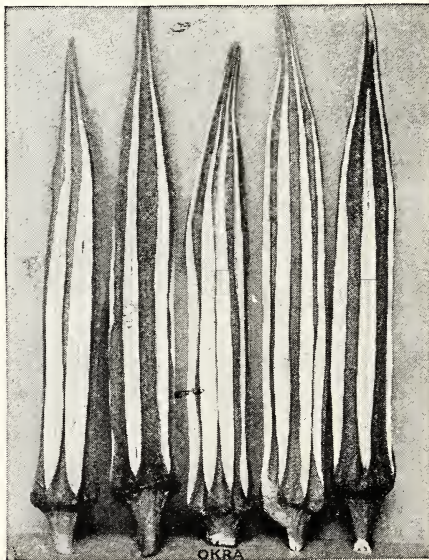
Culture. The pods of this plant are used in a great number of ways throughout the Southern States, and the plant should be more frequently grown in the North. Plant at corn planting time in rich land, sowing the seed thickly in two to three-foot drills, and thinning to an eight to twelve-inch stand, according to varieties. A generous planting is two ounces to one hundred feet and ten pounds to the acre. Okra seed may be planted six seeds to the hill, two to three feet apart and thinning to two plants to the hill.

Perkins Mammoth Long Pod. The pods are produced in great abundance and average longer than other sorts. Pkt. 10c; per $\frac{1}{4}$ lb. 30c.

Dwarf Green. Grows low but stocky and is very productive. Pkt. 10c; per $\frac{1}{4}$ lb. 30c.

Long Green. Taller than above, pods similar. Pkt. 10c; per $\frac{1}{4}$ lb. 30c.

White Velvet. Produces pods larger than any other. Pkt. 10c; per $\frac{1}{4}$ lb. 30c.



LEONARD'S ONION SETS

Leonard's Onion Sets are the Chicago Standard. We are the pioneers in set growing here. The Chicago onion set has that fine, bright color which is so much desired, and being grown from the same kind of seed that produces our best large onion it produces a bulb far superior to the Southern or South-eastern product. We claim a superiority for our onion sets which comes from superior knowledge in planting, harvesting, storing and shipping as a result of long continued experience and large operations. We are now and for many years have been the leading Onion Set growers.

For Early Use. Onion Sets are used in place of seed to make early large onions, or to plant instead of seed for green onions. The sets will produce green onions ready to eat three weeks before the seed and if not pulled, but allowed to mature, make a choice large onion for keeping purposes and later use.

Plant Small Sets. The large, coarse Onion Sets, over an inch in diameter, are apt to go to seed instead of producing a nice green onion and bulb, so you should always buy Leonard's small, wire screened Onion Sets, screened through an inch mesh, the proper size for planting to give the best results.

Plant More Onion Sets. Everyone should plant some Onion Sets in their garden. They can be planted as soon as you can dig in the ground in the Spring and replanted every week or ten days, so that green onions, fit for table use, may be had until late in the season. Then, any which are not pulled for early eating, can be allowed to mature and stored away for Fall and Winter.

Eat More Onions at All Times. Medical authorities agree there is no vegetable more healthy than onions and advise the free use of onions both green and cooked. It is even claimed they are a preventive of Influenza and Grippe. Buy Onion Sets freely, plant double the usual quantity and replant several times in the early spring and summer so you will have plenty of onions to eat all months in the year.

Yellow. Grown from seed of Strasburg or Yellow Danvers, either of which we can furnish. Yellow is the standard color for onions in many of the largest markets.

Red. Grown from the Red Weathersfield variety and will produce marketable onions several weeks earlier than seed. For green onions they are also very desirable.

White. Grown from White Portugal seed. White sets produce the finest early green onions and no garden should be without them.



Brown. Grown from Australian Brown Seed. Excellent keepers as Sets. Are very hard and solid.

Japanese or Ebenezer. A yellow variety of great merit. A heavy yielder and good keeping Onion. Does not run to seed readily.

White Pearl. This is the early waxy silvery white onion which is used for fall planting only. It produces an onion that in mildness of flavor is probably not surpassed.

Bermuda. These sets produce the pale yellow, slightly flattened onion, with white flesh, at times slightly suffused with pink. For fall planting only.

Crystal White Wax. Produces large pure white flattened onion of mild flavor. For fall planting only.

Yellow Shallots or Multipliers. The clumps are divided and they multiply very abundantly. Are grown largely for flavoring.

White Multipliers. The same as Yellow Multipliers, except in color.

Yellow Potato. The old original English Multiplier.

Winter Top, Egyptian or Perennial. These are very hardy; they need no protection during the winter and will continue for many years to yield an abundant supply of green onions without replanting.

PRICES ON APPLICATION

Our position as MARKET GARDENERS' SEEDSMEN is well and favorably known both at home and throughout the country. Our pre-eminent standing in this line of the Seed Business has been long established. The Market Gardener, when he plants LEONARD'S SEEDS, may therefore feel reasonably sure that he is planting the best seed obtainable.

ONION SEED

Culture. Study the demands of your market to know what onion that market requires.

As soon as the soil can be worked in Spring, and not after May 1st, sow onion seed in twelve to fifteen-inch rows, leaving out every tenth row as a weed alley if preferred. One ounce of seed plants one hundred fifty feet and four to five pounds plants the acre. The black, slow-germinating seed should be covered firmly one-fourth inch deep. Quantities of manure had best be applied in the year before the planting, and much commercial fertilizer, high in potash, harrowed in immediately before seeding.

Begin cultivation as soon as the plant can be seen; cultivate frequently and when convenient thin to a stand of two to four inches.

Early Flat Yellow Danvers. A good variety, but not as round or quite as early as the Yellow Globe Danvers. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Yellow Strasburg, or Dutch. One of the oldest varieties. Bulbs quite flat of good size, skin yellow, flesh white, of mild flavor and keeps well. This is the variety used very extensively for growing yellow onion sets. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Australian Brown. Is of medium size, wonderfully hard and solid and most attractive for market, both as to form and appearance. The color of the skin is a clear amber brown. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Yellow Globe Danvers. This fine onion is of large size. An early and abundant cropper. Bulbs very thick, flat or slightly convex bottoms, full oval top with small neck and rich brownish yellow skin. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

Michigan Yellow Globe. The bulbs are large and uniformly spherical with very small necks and the largest diameter below the center of the bulbs, of a rich orange color. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

Ohio Yellow Globe. An early Globe onion, small neck and very uniform in size and color. Very popular in the marsh onion sections of Ohio and Indiana. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

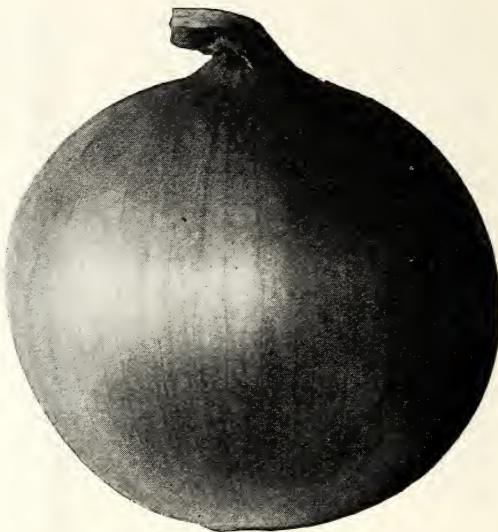
Southport Yellow Globe. A large, perfectly shaped Globe onion and an excellent onion for keeping throughout the Winter. A very heavy cropper, handsome in appearance and a good dark yellow color. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

Japanese or Ebenezer. A yellow variety of great merit. A heavy yielder and good keeping onion. Does not run to seed readily. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Bottle or Jug. Bright pinkish yellow and very long; longer than "Pear Shape", and narrow; about two inches thick; color, light and rather faded in appearance. Mild flavored. We have the genuine stock. Pkt. 10c; oz. 60c; $\frac{1}{4}$ lb. \$2.00.

Leonard's New Bunching Onion. Without doubt the finest bunching onion yet introduced. Grows fourteen to eighteen inches high, the pure white part extending two to three inches up the stalk; flavor excellent. This variety stands the heat well and will stay in bunching condition a long time. However, not recommended for large onions. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

Southport White Globe. This grows to a very large size and is a perfectly globe shaped onion. Color is clear pure white. This variety is used by the Chicago market gardeners for bunching. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.



RIVERSIDE SWEET SPANISH

Riverside Sweet Spanish. A large well-shaped onion weighing from one to three pounds; unusually mild but still retains its genuine onion flavor. Planted at the proper time and thoroughly cured it is a good keeper and will ship as well as any other shipping onion. The size of the onion can be regulated by the distance between onions and the closer they are together the smaller will be the onion. To produce the larger size, they should be thinned six to eight inches between plants. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

Prizetaker. Grows to an immense size and for Fall marketing is unexcelled. Although of such great size, it is very hardy and a fair Winter keeper, as it ripens up hard and firm; very fine grained and of mild delicate flavor. The outside skin is rich yellow while the flesh is white. To get the best results from this onion the seed is sown in beds and transplanted. It will, however, make a good crop if sown in the ordinary way. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

Denia. A very large globe shaped pale yellow onion. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

Extra Early Flat Red. This variety matures from ten days to two weeks earlier than the Red Wethersfield. The color is a deep rich red, fine grain and close. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Large Red Wethersfield. We have a very fine and select strain of this sort. Color is deep purplish red, flesh white moderately grained and very firm. Yields an enormous amount per acre, and is one of the best Winter keeping onions. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Southport Red Globe. This is a fine keeper. Large size and considered one of the best red onions. Flesh is fine grained, very mild and tender. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 80c.

White Portugal. American Silver Skin. This is the best sort to sow—for onion sets or for pickling. When sown thickly for either it makes a small, round, hard bulb. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 65c.

Philadelphia Silver Skin. Very desirable for family use. Flavor mild and pleasant. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 65c.

LEONARD'S GLOBE ONIONS



LEONARD'S RED GLOBE

LEONARD'S WHITE GLOBE

LEONARD'S YELLOW GLOBE

Leonard's Three Globes bring more money to the onion grower and sell quicker than any other varieties. Our Yellow Globe is the Standard

Yellow, our Red Globe is the Standard Red, and our White Globe is the Standard White.

LEONARD'S YELLOW GLOBE

This onion is our prize yellow market variety. It is the most uniform as to size, the most productive, the best keeping and the handsomest yellow-skinned Globe variety we have ever known. It has taken years of patient effort to bring it to its present perfection, and to keep

up the standard of excellence requires extreme care in the selection of bulbs to set out for seeding when the time for that event occurs each year. This onion has the call on the Chicago market, and our home sales for seed of it are very large. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

LEONARD'S RED GLOBE

The deep dark red color of our Red Globe is one of its superior points, while in shape and size it is a counterpart of our Popular Yellow Globe.

In the Michigan, Indiana and Ohio onion sections as well as in Illinois and Iowa this strain

of Red Globe produces the prize-winning red onions.

Where competition is keen it will pay large returns for the additional cost of the seed.

Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 80c.

LEONARD'S WHITE GLOBE

White skinned onions when successfully grown are by all means the handsomest and will usually bring more money per bushel than either of the other colors. It is harder to grow them to perfection than red or yellow, but many large grow-

ers score big returns from a crop of whites. This strain of White Globe is uniform in size and shape with our Yellow and Red Globe. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

ONION SEED—IMPORTED SORTS

Extra Early Pearl. A very fine, Italian variety that grows quickly to a good marketable size. Very popular, particularly in the South. The bulbs are round, flattened, with a delicate pure white skin. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 80c.

Yellow Bermuda. A pale or straw colored onion, grown extensively in the Bermudas and southern part of the United States for early shipping to northern markets. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.60.

Crystal White Wax. This variety is popular in the South where the transplanting method of culture is practiced. A large, beautiful, silvery white skinned variety, of handsome flat shape, of very fine flavor and quality. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.00.

White Queen is a fine early silver skinned variety, of beautiful form and rapid growth, and possessing fine keeping qualities. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c.

White Welch. A very hardy perennial variety of onion, used only for bunching or early green onions. Seed may be sown in late Summer or early Fall for early Spring onions. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 80c.

Mammoth Silver King. This is a grand onion. It is a mammoth grower, of beautiful pearly white color, almost transparent in appearance. To match Spanish King at fairs and exhibitions it is just what is needed. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

PARSLEY



CHAMPION MOSS CURLED PARSLEY

Parsley used for garnishing and for seasoning can be planted as soon as the soil can be worked in Spring. Cover the slow germinating seed one-fourth inch deep in twelve to eighteen-inch rows, later thinning to a six-inch stand. One-fourth ounce sows one hundred feet and three to five pounds plant an acre. To improve the appearance of the crop, trim the plants with a sickle two or three times during its growing season and at the approach of Winter transplant to cold frames or a sunny window. Parsley may be mulched with coarse litter and wintered for Spring use till the new crop begins.

Double Curled. The standard sort for outdoor culture, also highly prized by market gardeners for the greenhouse. Pkt. 10c. Per $\frac{1}{4}$ lb. 60c.

Champion Moss Curled. A very fine curled variety. One of the handsomest for garnishing purposes. The exceedingly curved leaves make it desirable. Pkt. 10c. Per $\frac{1}{4}$ lb. 60c.

Triple Curled or Myatt's Garnishing. Very finely curled variety of dark green color. One of the best varieties for all purposes. Pkt. 10c. Per $\frac{1}{4}$ lb. 60c.

Plain. Leaves flat, deeply cut but not curled; often preferred on account of the very dark green color as well as the hardiness of the plant and its superiority for flavoring. The curled sorts are more extensively used for garnishing. Pkt. 10c. Per $\frac{1}{4}$ lb. 50c.

Hamburg or Rooted. The turnip-rooted parsley serves a double purpose; it can be used much in the same way as other parsley, but is mostly grown for the thick, fleshy roots. The roots are nearly white in color, growing about six inches long and about two inches thick around the neck. They gradually taper toward the base. The flesh is white and somewhat dry. In flavor it resembles celeriac. It is quite well known

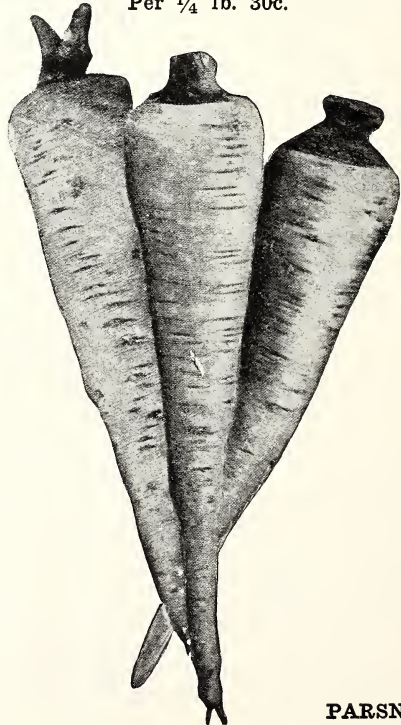
in some parts of Europe, and is used for flavoring soups, stews, etc. Pkt. 10c. Per $\frac{1}{4}$ lb. 75c.

PARSNIP

Culture. Plant parsnip seed as early as the soil can be worked in Spring and do not cover this slow germinating seed deeper than one-fourth inch. Use eighteen to twenty-four-inch rows, thinning the plants to a four-inch stand. One-half ounce of seed sows one hundred feet and three to five pounds plant an acre. This crop requires the entire season to mature, and as frost improves the roots, they may be left in the ground all Winter. Both as to quantities and its feeding values, the parsnip is a valuable stock feed.

Hollow Crown. Roots long, white, smooth, tender, sugary and of most excellent flavor. Very hardy, and will keep through Winter without protection. Pkt. 10c. Per $\frac{1}{4}$ lb. 30c.

Guernsey. Root white, very tender, with a smooth, clean skin. The variety is easily distinguished by the leaves growing from depression on top or crown of the root. Pkt. 10c. Per $\frac{1}{4}$ lb. 30c.



PARSNIP

PEAS

Culture. All varieties of peas, regardless of height, may be grown successfully without a trellis or support.

As peas vary in height from six inches to six feet, it follows that the distances in the row and apart in the row should vary. Dwarf or half dwarf varieties are best planted in double or companion rows six inches apart to support and shade each other in their growth; then leave a space of eighteen to thirty inches, according to height of the variety, and repeat the double row. The tall varieties that may be

given support are planted in single rows, the space between the rows somewhat less than the height of the variety. Drop ten to twenty dwarf peas to the double row or six to ten tall peas to the foot of row, using one quart to one hundred feet and three bushels to the acre. Plant all peas about five inches deep in soil that has been deeply plowed. This deep planting is the grower's attempt to give the peas the cool, damp climate they prefer. Lightly harrow or rake the soil when the peas should be breaking through, and continue to cultivate until the vine stops the work. All peas stand some frost and may be planted as soon as the soil may be worked in spring. Peas should be planted frequently for a succession all north of the Ohio. The early varieties are planted in August for a late autumn crop. For quality's sake pick peas before they crowd the pod and pick all pods as rapidly as produced to somewhat extend the plant's bearing. As all varieties of peas lose their characteristics when left without that selection given by expert seedsmen, it is necessary to go to a reliable source for seed peas.

Notice. Wherever the number of days from planting to first picking for table use is given, the time is taken from our trial ground records made during the season of 1909 in Wisconsin. Weather conditions, variations in soil and cultivation, as well as difference in latitude, will make either a longer or shorter period of growth.

As to the superiority between smooth and wrinkled peas, it is all a matter of individual taste, but the preponderance of taste is in favor of the wrinkled varieties.

SMOOTH SEED

Alaska. Well known and extensively used, especially by canners. Very early and when carefully grown, uniform in ripening. Vine is



PEA TRIALS AT COLUMBUS, WIS., TRIAL GROUND

strong and vigorous, two to two and one-half feet high, of a peculiar light green color; pods two and one-fourth to two and three-fourths inches long, straight and blunt at the end, and light in color. Is ready for picking forty-nine to fifty days from planting. Seed round, blue, slightly pitted. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

First and Best. Early, productive and hardy, with a strong, vigorous vine, which is light in color and uniform growth, two and one-half to three feet in height and bearing straight pods two and one-half to two and three-fourths inches long, round, light in color and blunt at the ends. Is fit for table use fifty to fifty-two days from planting. Seed round, rather small, and white in color. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Ameer. Resembling the Alaska in appearance, three to three and one-half feet in height. Pale green foliage. Pods two inches in length, pointed, dark green in color. Seed blue, dented, medium pitted. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Bountiful. Resembling the Alaska in general habit of growth. Vine thirty-six inches, foliage gray green; pods three and one-half inches in length, pointed, gray green in color. Fit for table use fifty-five to fifty-seven days from planting. Seed blue, medium pitted. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Claudit. In general habit and height of vine resembling Alaska, ripening almost at the same time, but with much longer, broader pods. Pods well filled at the point. Seed round, light green, dented, height 2½ feet. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

Improved Sugar Marrow. Much better than the old White Marrowfat. Pods larger, well filled and of the true marrow flavor. **Pkt. 10c; ½ lb. 15c; lb. 30c.**

PEAS—Smooth Seed—Continued

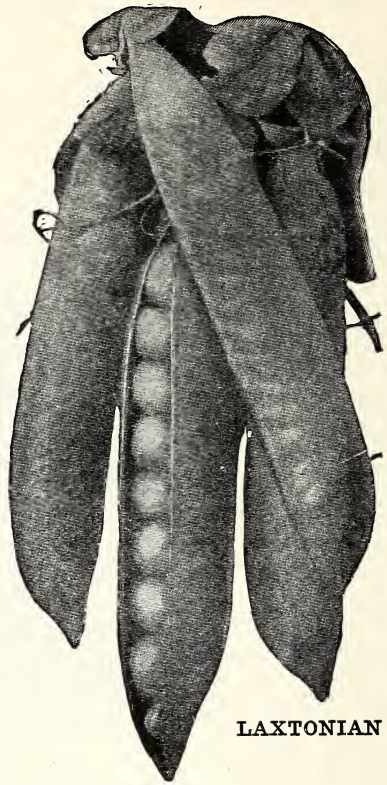
Mammoth Melting Sugar. Large edible pods. Height forty-two to forty-eight inches. Pods, four to four and one-half inches long and one and one-eighth inches broad. Fit for table use eighty days from planting. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

White Marrowfat. Vines hardy, strong, vigorous and bearing broad, thick leathery pods near the top of the vine, and containing peas of a fair quality. Height forty-five to fifty inches, foliage light green in color, pods three inches long, blunt and light green. Ready to pick sixty-nine days from planting. Seed large, smooth, white. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Black Eyed Marrowfat. Strong and vigorous vines bearing pods near the top of the vine. Peas of a fair quality. Height fifty to sixty inches, light color foliage, pods three inches long, blunt, light green. Ready to pick sixty-nine days from planting. Seed large, smooth, white with a black eye. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Wrinkled Seed

American Wonder. Vigorous, producing vines, with a luxuriant foliage, and producing the leaves on one side of the stalk, growing from nine to twelve inches high. On account of its dwarf habit of growth it is very desirable for private garden use. Pods are light colored,



LAXTONIAN

straight, round, about two and one-half inches long and blunt at the end. Fit for picking fifty-five days from planting. Seed is wrinkled, green, medium in size and square at the ends. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Nott's Excelsior. Resembling Gems in habit, but more dwarf and uniform in growth, height twelve to seventeen inches, with rather light foliage. Pods are light in color, round, about two and one-half inches long, blunt at the ends. Fit for picking fifty-six days from planting. Seed green, wrinkled, medium in size and square at the ends. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Laxtonian. This handsome wrinkled pea is the largest podded of the dwarf varieties. The dark green pods are similar to Gradus in shape and splendid quality, are nearly as large in size and often mature a little earlier. Vines vigorous and productive, averaging fifteen to eighteen inches high; foliage dark green; pods about four inches in length. Seed light green, large wrinkled, flattened, irregular in shape. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Laxton's Progress. Dark green peas, sweet and luscious. The dwarf, vigorous vines average 18 inches in height and carry enormous crops of large, deep bluish green pods. These measure 4 to 4 $\frac{1}{2}$ inches long and are tightly packed with 8 to 10 luscious peas. 53 days. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Little Marvel. An extra fine dwarf sweet pea. Pods somewhat larger than Nott's Excelsior and same season. A fine variety for either private or market garden. Height fourteen inches. Foliage and pods very dark green; pods three inches long, nearly round and square ended, containing seven very dark green peas of high quality; very productive. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.



McLEAN'S LITTLE GEM

PEAS—Wrinkled Seed—Continued



GRADUS

Dwarf Telephone. Vines eighteen to twenty inches high, with rather coarse foliage, medium light green, bearing pods, broad, straight and about four inches long. Pale green in color and well filled with peas of excellent flavor. Ready for picking from sixty-two to sixty-five days from planting. Seed pale green, large much wrinkled. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Sutton's Excelsior. Similar in habit of growth to Nott's Excelsior, but bearing very large, broad pods, well filled with large peas. Very tender, and of the most delicious flavor. Vines about eighteen to twenty inches high, medium light in color with pods three and a quarter to three and a half inches long, light in color and blunt at the ends. Is ready to pick fifty-two days from planting. Seed green, wrinkled, medium in size. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

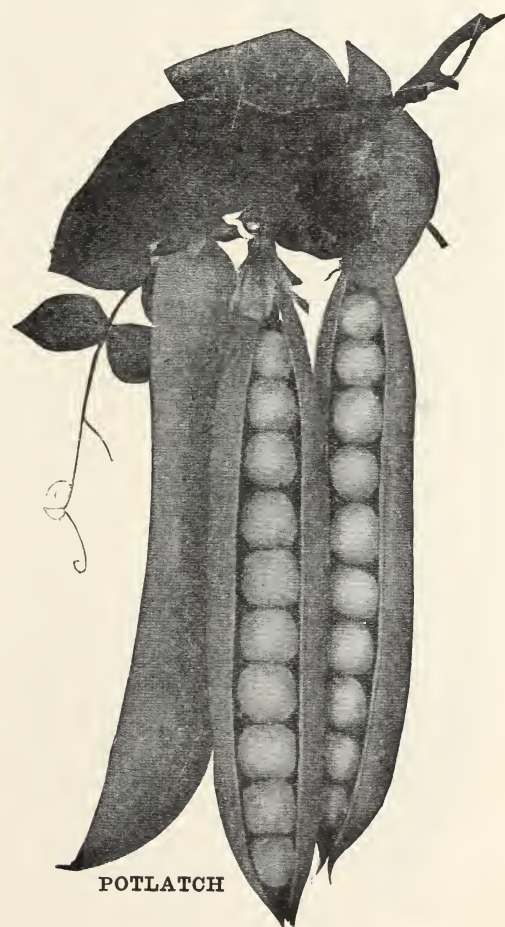
Gems, McLean's Little. Strong and vigorous in growth, producing vines from eighteen to twenty-four inches in height, dark foliage, bearing pods singly on both sides of the stalk beginning near the ground. Pods are almost straight, two and a half to two and three

quarter inches long, light in color and blunt at the ends. Ready to pick fifty-nine to sixty-one days from planting. Seed is green, wrinkled, and medium in size. Pkt. 10c; $\frac{1}{2}$ lb. 15c. 1 lb. 30c.

Leonard's Home Garden Pea. Here is the Pea for every garden; 20 inches high. Needs no brush or wire; wonderful cropper, delicious quality, big full pods. Pkt. 10c; $\frac{1}{2}$ lb. 15c. 1 lb. 30c.

Horsford's Market Garden. Strongly resembling Premium Gem in habit of growth, but about one-third taller. Vines growing twenty-six to thirty inches high, foliage dark green, pods light colored, straight, about two and one-half inches long and blunt. Fit for picking sixty-eight days from planting. Seed green, wrinkled, medium in size. A very popular pea with the canners and market gardeners on account of its excellent quality. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.

Advancer. Vines upright and vigorous in growth, hardy and productive. Height thirty inches, foliage dark green, pods two and one-half to two and five-eighths inches long, round, dark colored and blunt, fit for picking sixty-one days from planting. Seed green, wrinkled, medium in size. A very fine pea for canners' use. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 30c.



POTLATCH

PEAS—Wrinkled Seed—Continued

Leonard's Potlach. Strong, vigorous vines of even growth, twenty to twenty-four inches in height, with luxuriant dark foliage, bearing pods medium green in color, three and one-half to four inches in length. Broad and pointed at the ends. No variety known will produce

more pods, and no pods could possibly shell out better. The Potlach is a variety from which anyone may expect great things. Fit for table use sixty-one days from planting. Seed green, wrinkled, large in size. We consider ourselves very fortunate in having secured and introduced this pea. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Strategem. A vigorous, hardy and luxuriant vine, bearing large pods containing peas of excellent quality. A heavy cropper, although it has a tendency to sport. Vines twenty inches. Foliage dark green. Pods three and one-half inches long, straight, broad, pointed, gray green in color. Fit for table use fifty-six days from planting. Seed very large, green, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Gradus. A large wrinkled, early pea with a pod nearly as large as Telephone, filled with large peas, tender and of good quality and flavor. Very quick to germinate and matures with the early sorts. This pea will not stand adverse conditions, however, as well as some of the other sorts, and seed must be planted after all danger of early frost has passed. Height of vine twenty-six to thirty inches, with large luxuriant foliage, pale green in color. Pods dark green, four to four and one-half inches in length and pointed. Fit for table use fifty-two days from planting. Seed large, cream colored, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Thomas Laxton. Closely resembling Gradus in habit, rapidity of growth, earliness and foliage, twenty-six to thirty inches high, and much hardier. Pods four to four and one-half inches long, round, well filled with peas, blunt at the end. Fit to pick fifty-two days from planting. Seed large, cream covered, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Laxton's Superb. A hardy, semi-wrinkled, blue-seeded extra early variety, growing twenty-two to twenty-four inches in height with dark green four-inch semi-broad, pointed pods; of fair quality. Desirable as a gardener's first crop pea, standing very early planting. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Senator. Vines thirty-six inches in height, foliage dark green. Pods four inches long, curved and dark green in color. Fit to pick sixty-one days from planting. Seed medium size, green, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Dwarf Gray Sugar. The old variety of the edible podded sort, and is used in no other way. Grows about two feet high and is remarkable for its earliness. Pods are broad, flat and crooked and contain five to six peas. Seed is brown and wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Admiral Dewey. One of the largest podded peas yet introduced. Height three and one-half feet; pods a rich, dark green color, frequently six inches long, beautifully shaped. Peas large, tender and of first-class flavor. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Telephone. Vines and leaves large and coarse. Foliage light green in color. Height forty to fifty inches, pods four and one-half inches long, broad, pointed, medium green in color. Fit to pick sixty-two to sixty-five days from planting. Seed large, green, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

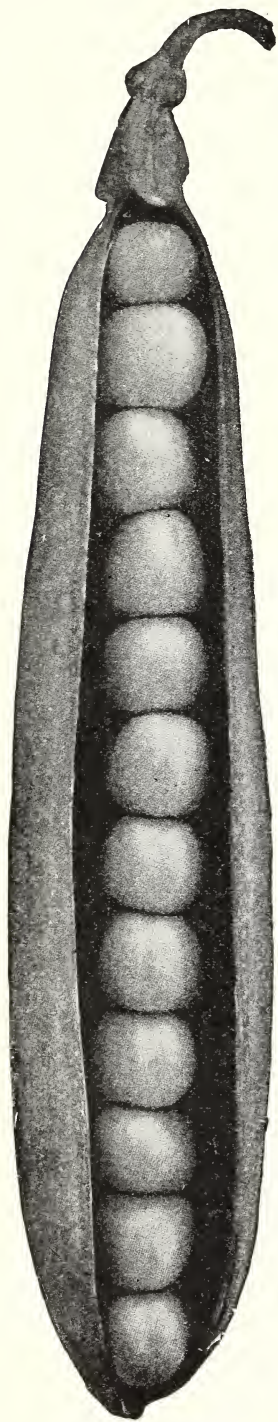
Alderman. A large podded pea of the Telephone type, very robust and vigorous as to vine. Foliage mixed, medium green. Height fifty inches, pods five inches long, broad, pointed, medium green in color. Seed green, wrinkled, large. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Duke of Albany. Resembling the Telephone in appearance. Vine and foliage medium green in color. Height fifty inches, pods five inches long, broad, pointed, dark green. Seed large, green, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Everbearing. Vigorous and branching in habit and growth. Height two and one-half to three feet. Pods two and three-fourths to three inches long. Broad, light colored and blunt. Fit to pick seventy days from planting. Seed green, wrinkled, large in size. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Champion of England. Strong and vigorous in growth, forty-two to fifty inches in height. Foliage medium green. Pods two and one-half to three inches long, blunt, medium dark green in color. Ready to pick sixty-eight to seventy-three days from planting. Seed large, green, very much wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**

Yorkshire Hero. Hardy, productive and upright in growth, bearing near the top of the stalk broad, pointed pods with peas of good quality. Foliage dark green, twenty-three to twenty-eight inches in height. Pods two and one-half to three inches long, blunt, light green in color. Fit to pick sixty-eight to seventy-three days from planting. Seed large, green, wrinkled. **Pkt. 10c; ½ lb. 15c; 1 lb. 30c.**



TELEPHONE

PEPPER

Culture. The pods of the pepper are used in sauces, salads, soups or as a seasoning, and the large mild varieties called mangoes are eaten from the hand or variously stuffed and prepared with cabbage, tomatoes or meat. The pods of peppers are green until in ripening they turn red or yellow, according to the variety. Start pepper in hotbeds and in other ways treat like a tomato. Set out of doors after frosts in thirty-inch rows, giving each plant eighteen inches in a row. One ounce of seed gives, according to the handling, from 1,000 to 2,000 plants and one quarter pound plants an acre.

California Wonder. As large as Chinese Giant but much earlier and of the best quality. Heaviest meated, an excellent shipper and rapidly replacing other varieties of this type of Pepper. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.50.

Large Bell or Bull Nose Sweet. A very large sort of inverted bell shape, suitable for filling or for a mixed pickle. Flesh thick, hard and less pungent than most other sorts. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Large Bell or Bull Nose Hot. Same size and shape as Bell or Bull Nose Sweet except that it is hot instead of a mild or sweet pepper. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Harris Early Giant. The earliest and most prolific of the large peppers. It matures its fruit but slightly later than Harris' Earliest, is of dwarf, compact growth, scarlet fruit 5 inches in length by 3½ in. in diameter, 3-lobed; mild and sweet. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

Neapolitan. A very early, productive, large variety, and one of the sweetest and most mild. Fruit 3-lobed, of upright growth, four inches long and two inches thick; color yellowish-green turning bright red at maturity. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

Sweet Mountain. Plants very vigorous and productive, growing upright, with moderately large leaves. Fruit very large, long, often eight inches or more in length, by two inches in diameter. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Royal King. A very smooth, sweet pepper, larger than Sweet Mountain, just right for stuffing and pickling. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

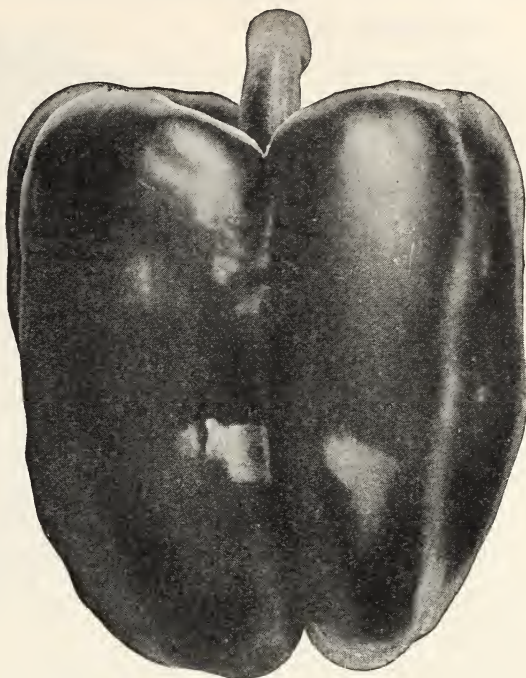
Ruby King. Plants are about two and one-half feet high vigorous, compact and productive, fruits are often four to four and one-half inches long and of deep green color when young, bright red when ripe. The flesh is thick and mild flavored. One of the best varieties for mangoes or stuffed peppers. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Ruby Giant. An improvement over Ruby King. It is larger, smoother, finer grained and sweeter. An excellent pepper. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

Chinese Giant. Without doubt one of the very best and largest Mango Peppers ever introduced. Its mammoth size, splendid shape, beautiful, rich, glossy-red flesh and mild flavor, all lead us to speak of it in words of commendation. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00.

World Beater. Fruits four lobed, five inches long by three and one-half inches in diameter; flesh very thick and mild, exceedingly productive and a good shipper. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

Sunnybrook or Tomato Pepper. Fruits run



CHINESE GIANT

from two and one-half inches to three inches in diameter and they run from two to two and one-quarter inches deep from the stem to the blossom end. The skin is smooth, glossy and of a brilliant scarlet. The flesh is unusually thick and in well-developed fruits measures five-eighths of an inch in thickness. Pkt. 10c; oz. \$1.00; ¼ lb. \$2.50.

Pimento. A very thick-fleshed, smooth, mild, crimson variety, much used for salads; fruit pendent. Pkt. 10c; oz. 50c; ¼ lb. \$1.75.

Golden Queen. Very large fruits; rich golden yellow color; early. Pkt. 10c; oz. 60c; ¼ lb. \$2.00.

Mammoth Long Cayenne. A long, slim, pointed pod and when ripe, a bright red color, extremely strong and pungent. Size three-quarters to one inch in diameter, five to six inches long. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Long Slim Cayenne. Same as Mammoth Long Cayenne except in size; one-half inch in diameter, four to five inches long. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Small or Short Cayenne. Same as Mammoth Long Cayenne except in size; quarter inch in diameter, one to one and one-half inches long. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Large Anaheim Chili. Ten days earlier than the Cayenne type, one and a quarter inches in diameter, seven inches long. Pkt. 10c; oz. 50c; ¼ lb. \$1.60.

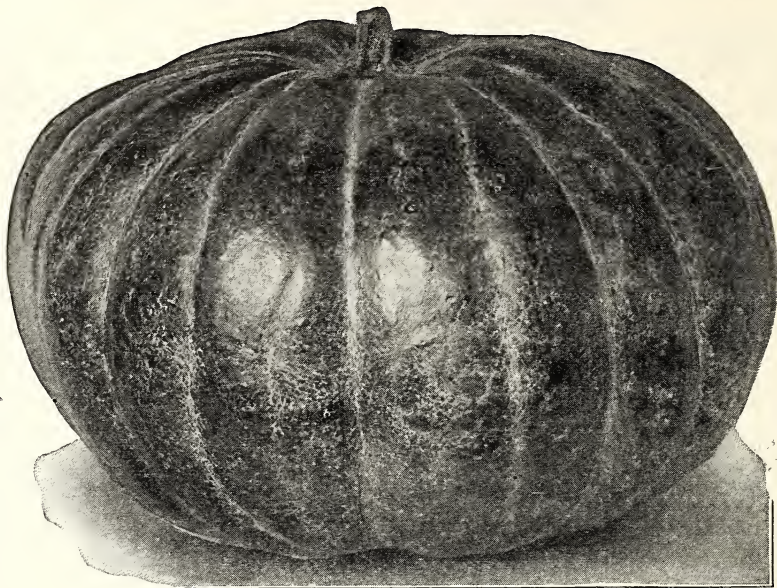
Long Red Chili. One-half inch in diameter, four to five inches long, earlier than Cayenne. Pkt. 10c; oz. 50c; ¼ lb. \$1.60.

Short Red Chili. One-half inch in diameter, two and one-half to three inches long. Pkt. 10c; oz. 50c; ¼ lb. \$1.60.

Banana or Long Hot Yellow. A long banana shaped, very hot pepper; a good yielder. Fruit is pointed and from five and one-half to seven inches in length. Pkt. 25c; oz. \$1.50.

PUMPKIN

Culture. The finer varieties of pumpkins are used for pies and the coarser ones for stock feeding. While the pumpkin may be grown very much as cucumbers are grown in a garden, they are more frequently planted in the field with corn, where several seed are dropped in each fourth hill. Planted alone, six to ten seeds are covered one inch deep in hills eight to ten feet apart and thinned to two to four plants to the hill. One ounce plants twenty-five hills and two to four pounds of seed generously plants an acre. As this plant requires as much time as corn to mature, the planting cannot be too long delayed.



LARGE CHEESE, OR KENTUCKY FIELD.

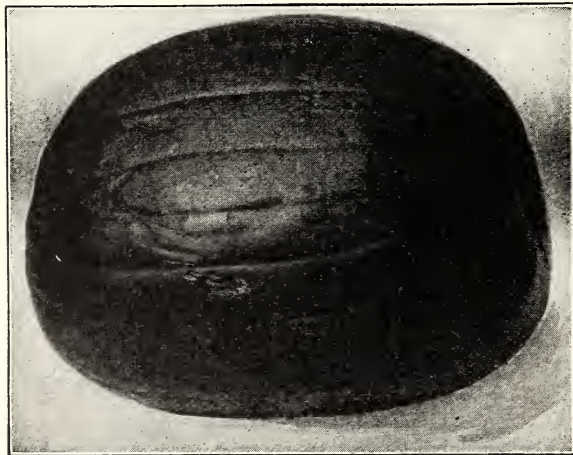
Large Cheese, or Kentucky Field. One of the best for table use, and very productive. Shape flat, flesh yellow, thick and tender. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Connecticut Field. The hardest of all pumpkins; cultivated mainly for stock-feeding, producing enormous crops. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 pounds. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Mammoth Potiron, King of the Mammoth. The flesh and skin are of a bright golden yellow color. Flesh fine grained and of excellent quality. This enormous variety has been grown to weigh 200 pounds. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Green Striped Cushaw. Fruits very large, with crooked neck. Color creamy white, irregularly striped or traced with green. Flesh light yellow, very thick, rather coarse but sweet. This sort is very productive and popular in some sections. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.



CONNECTICUT FIELD.

Cushaw, or Crookneck. A favorite sort of excellent quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Winter Queen. This is an improvement of the old, well-liked sugar pumpkin. Its size is uniformly about nine to ten inches in diameter. In color, a beautiful deep orange yellow, with a very close netting, almost as russeted as a potato. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Golden Oblong. A productive variety, oblong in shape. Skin golden orange, flesh yellow, dry and sweet; excellent. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Sugar or Pie. A rather small but handsome variety. Shape round; skin deep orange colored; flesh fine grained, sweet-flavored; superior for pies. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Japanese Pie. Shaped somewhat like the Cushaws and grows to a large size; skin deep green with dark stripes; flesh deep yellow and of high quality; seeds sculptured like Chinese letters. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Tennessee Sweet Potato. Hardy, productive, sweet and delicious, and one of the best for cooking purposes ever introduced. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

RHUBARB—Pie Plant

Culture. Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred, the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of the Linnaeus, Victoria, Giant and other improved sorts, but like the seeds of the fruit trees, rhubarb seed cannot be relied upon to produce the same varieties.

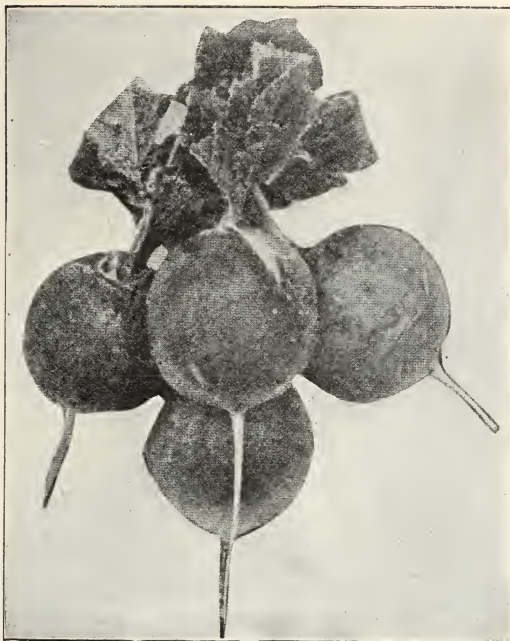
RADISH

A crisp, spicy, tender radish—what appeals quite so much to the appetite early in the spring, even while yet the winter has scarcely passed, than a fresh, snappy radish out of your own garden? Grow a few rows, plant them early and in less than thirty days try them with some rye bread and a bottle of near beer; you will agree then that they are the real spring tonic; in fact, they will taste so good you will plant some more at once for later use and then go out and make a real garden with all varieties of vegetables for summer and fall eating.

Culture. Plant radishes on a light soil if a choice is possible, and every second week for a succession from the time the soil can be worked in spring till the first light frost. Plant in two to eighteen-inch rows, cover the seeds one-half inch deep and permit four to ten radishes to grow to the foot; use eight to twelve pounds of seed to the acre. Radish seed, which germinates quickly, may be sown with some slow-germinating seed that the cultivation of that crop may begin the earlier, or the quicker-growing radish may be grown between the rows of some slow-growing crop that later requires considerable space.

Saxa. The earliest of the forcing radishes, and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. We have an excellent stock of this radish and can highly recommend it. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Leonard's Scarlet Globe Radish. The finest of all Radishes for greenhouse forcing. This excellent, bright, rich scarlet colored, globe-shaped radish is the finest for forcing as it will bear the heat required for forcing without becoming pithy or losing its excellent flavor; has a small top and certainly is the variety needed by the gardener who forces for early market. It also is an excellent sort for outdoor planting. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.



LEONARD'S SCARLET GLOBE

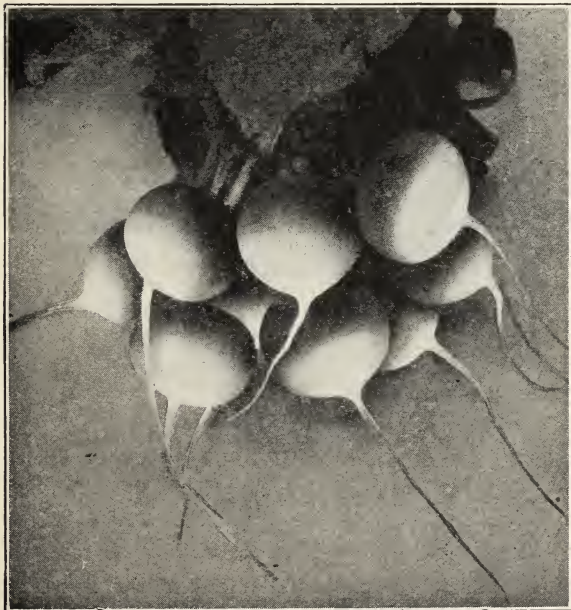
Leonard's Three Leaf. So named on account of its extreme earliness and the fact that when there are three leaves formed besides the seed leaf it is large enough to eat. It is an improved form of the well-known Scarlet Olive. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Early Long Scarlet Short Top. This bright scarlet, small topped sort is about six inches long, is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private garden or market use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Sparkler White Tipped. A new and distinct globe-shaped radish. The roots, even when fully developed, are solid, crisp and sweet, remaining fit for use longer than most of the other globe-shaped sorts. The colors are more vivid and attractive. The upper part is a rich carmine scarlet, with a large tip of the purest white, which is quite distinct from any other variety. An excellent forcing sort for either greenhouse or frames or for growing in the open ground. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

French Breakfast. Olive shaped, scarlet, with white tip; crisp and tender. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

Scarlet Turnip White Tipped. One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. It is but little later than the White Tipped Forcing, and will give entire satisfaction where extreme earliness is not the primary object. Roots slightly flattened on the under side, color very deep scarlet, with a white tip; flesh white and of the best quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.



SCARLET TURNIP, WHITE TIPPED

RADISH—Continued



WHITE ICICLE

White Icicle. This handsome white variety is becoming very popular. It is similar to White Vienna but is not so long, is earlier and has a shorter leaf. We recommend it as a profitable, early variety where a long white sort is desired. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Crimson Giant Turnip, Forcing. A variety extraordinary in that while growing to an unusually large size, it is always tender, crisp and of mild flavor. It remains in perfect condition a remarkably long time, and unlike other forcing varieties, does not become pithy even when twice their size in diameter. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Cincinnati Market. The tops of this radish are very small and may stand much closer in the rows than Wood's Early Frame or Long Scarlet, without danger of running to seed. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Early Scarlet Turnip. The standard early turnip radish. Fine flavored and mild. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Deep Scarlet Turnip. This is a very bright colored Scarlet Turnip radish, very early and short leaf, well adapted to forcing under glass. Matures in fourteen to twenty-one days and its appearance will sell it in any market. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Early White Turnip or White Box. A little flatter than the Scarlet Turnip, and pure white in color. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Large Japanese or Sakurajima. Frequently grows to 50 lbs. in weight. Can be cooked and used like Turnips. **Pkt. 10c.**

Long Bright Scarlet, White Tipped. This is the brightest and handsomest colored scarlet radish known, and a decided improvement in earliness and color over other varieties of this class. It makes roots fit for use in about twenty-five days from time of planting. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Chartier. Decidedly distinct in appearance. The color at the top being crimson, running into pink about the middle and from thence downward it is a pure waxy white. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Long White Vienna, or Lady Finger. A very excellent white variety with long, very smooth white roots, which are crisp and tender. It comes into use shortly after Wood's Frame and is one of the most desirable of the white summer sorts. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Long White Pearl. Similar to White Icicle. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

White Strasburg. Large, showy, half long, white sort. Grows with great rapidity, sometimes producing a crop in six weeks. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

White Summer Turnip. A very large turnip shaped variety; white, very crisp and mild. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

White Stuttgart. Grows to an immense size. White flesh, very crisp and tender. Of good flavor and a good keeper. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Golden Globe. This variety is of quick growth, affording crisp and tender radishes even in the hottest climate and is extensively grown in the South. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

RADISH—Winter Varieties

The Winter Radish is sown at late turnip planting time and used in the autumn or stored for winter like the turnip.

Rose or Scarlet China. Roots cylindrical, or largest at the bottom, tapering abruptly to a small tap. Skin very smooth and of a bright rose color; flesh firm, crisp, tender and quite pungent. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

White China or Celestial. The root is long, cylindrical, with beautiful white skin and flesh so white as to attract attention, even among the other white varieties. The flesh is very tender and of excellent quality. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

California Mammoth. It is pure white, about one foot long, and two or three inches through, tapering regularly to the tip. The flesh is tender and crisp, keeping well through the winter. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Large White Spanish. A large rooted winter variety. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Round Black Spanish. Roots round, sometimes top-shaped, three or four inches in diameter; skin black, flesh white, very compact and highly flavored. An excellent sort for winter, as the roots keep a long time. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Long Black Spanish. One of the latest as well as hardiest of the radishes; an excellent sort for winter use. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

SALSIFY OR VEGETABLE OYSTER

The long, white tapering root of salsify resembles a small parsnip, and when cooked is a good substitute for oysters, having a very similar flavor.

Culture. It succeeds best in a light well-enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and ill-shaped. Sow early and quite

deep, giving the general culture recommended for parsnip. The roots are perfectly hardy and may remain out all winter. Store a quantity for winter use in a pit or cellar in damp earth or sand.

Mammoth Sandwich Island. This is in every way superior to the Large White, being larger, stronger growing and less liable to branch. Invaluable to market gardeners. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

SPINACH

Culture. As early as the soil can be worked, sow it one-half inch deep in fourteen-inch rows, using one ounce of seed to one hundred feet, and in the second week will appear a tiny plant with two very narrow leaves that do not resemble the true leaves that follow. Cutting should begin forty-five days from sowing. It is impossible to put spinach on too rich soil, and nitrate of soda is used on it with profit.

South of the Ohio, spinach winters without protection. North, it very often winter kills with good drainage and the best of straw covering.

All spinach quickly runs to seed in the heat of summer.

Savoy Leaved Bloomsdale. The earliest and one of the best to plant in autumn for early spring use. Plant of upright growth, with narrow pointed leaves, which are curled like those of the Savoy cabbage. It grows quickly to a suitable size for use, but soon runs to seed. **Pkt. 10c; oz. 15c; lb. 40c.**

Bloomsdale, Long Standing. Similar to the older type, but with a thicker, more round and lighter colored leaf. Very slow to bolt to seed. **Pkt. 10c; oz. 15c; lb. 40c.**

Large Leaved Viroflay or Thick Leaf. A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality. Recommended for market gardeners. **Pkt. 10c; oz. 15c; lb. 40c.**

Round Leaved. This variety is generally preferred in the North for early spring sowing, and is the favorite with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, it stands the winter very well. **Pkt. 10c; oz. 15c; lb. 40c.**

Fill Basket. The largest early spinach, its broad, thick, dark green leaves are very tender and of delicious flavor. Withstands hot weather well. **Pkt. 10c; oz. 15c; lb. 40c.**

Triumph. A very long standing variety. Plant makes a flat rosette; leaves compact, short, broad and pointed, much wrinkled and with a short petiole. **Pkt. 10c; oz. 15c; lb. 40c.**

Long Standing. An improved, round seeded strain of excellent merit, having all the good qualities of other sorts and continuing in condition for use much longer. The leaves are smooth and very dark, rich green. Very popular with market gardeners. **Pkt. 10c; oz. 15c; lb. 40c.**

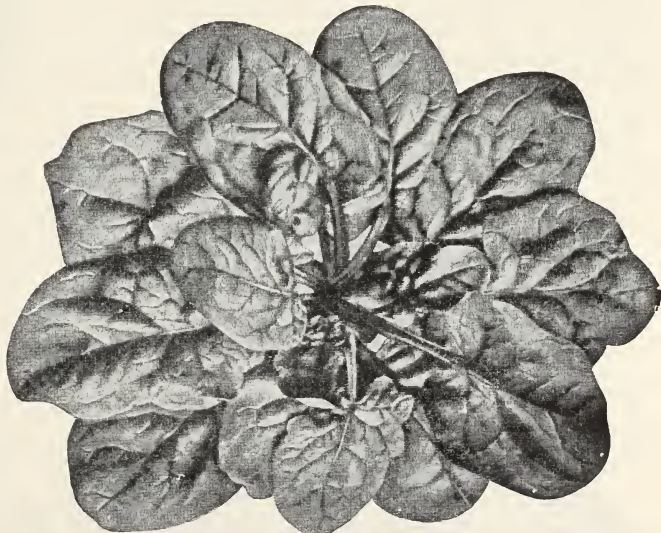
Broad Flanders. An early and vigorous growing round seeded variety. The leaves are bright green, broad and thick with long petiole, usually broad arrow-shaped but sometimes rounded. **Pkt. 10c; oz. 15c; lb. 40c.**

Victoria. An excellent sort, which forms a very large, exceedingly thick, dark green leaf somewhat curled in the center. It becomes fit for use nearly as early as any, remaining so much longer than most kinds, and cannot fail to please, whether grown for the market or in the private garden. **Pkt. 10c; oz. 15c; lb. 40c.**

King of Denmark. The best long-season Spinach, remaining two weeks longer than others before bolting to seed. Plant vigorous and spreading; leaves large, rounded, crumpled and blistered, deep green in color. **Pkt. 10c; oz. 15c; lb. 40c.**

Prickly Winter. A very hardy variety and will withstand the severest weather with only a slight protection of leaves or straw. The seed is prickly, leaves triangular, oblong, or arrow shaped. It is used for fall sowing, which in this latitude is about the first of September. **Pkt. 10c; oz. 15c; lb. 40c.**

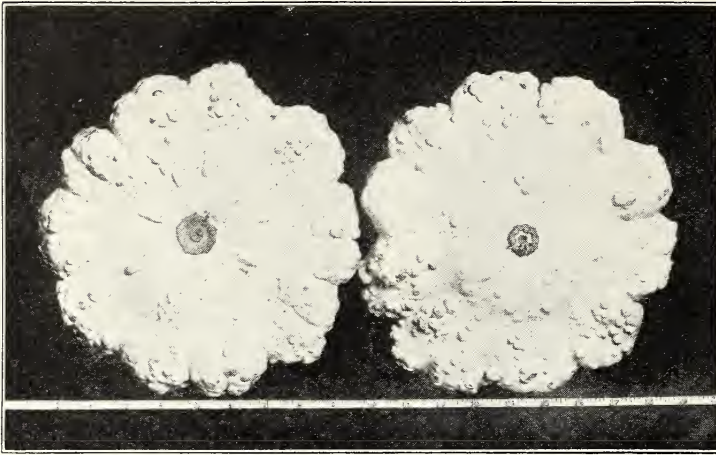
New Zealand. (Tetragonia Expansia.) This



ROUND LEAVED

branching plant, a spinach in its use and not in its growth, frost kills, but grows luxuriantly in the summer heat. Plant these large seeds three in a hill, three by two feet apart or start the plant under glass and transplant. **Pkt. 10c; oz. 15c; lb. 75c.**

SQUASH—Summer Varieties



MAMMOTH WHITE BUSH

Culture. The directions for the planting of cucumbers can be followed with slight modifications for squash or cympling. Plant the summer squash in hills four feet apart and use before mature. Plant the winter squash in hills six or eight feet apart; handle without bruising and store in a dry, moderately warm place for winter. Plant the seed generously and thin to two or three plants to a hill. One ounce of seed plants twenty-five hills and two to four pounds plant an acre. The squash is to be recommended either for the table or the feed lot.

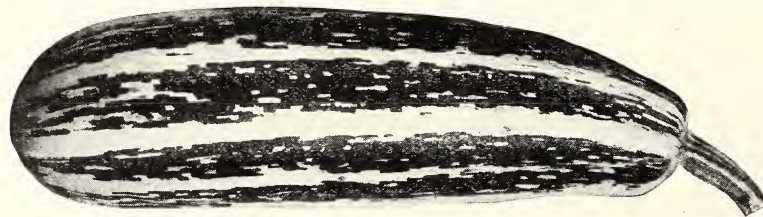
Leonard's Giant Straightneck. This strain of summer squash is quite an improvement over the Giant Crookneck. Our stock of this popular early squash has been selected with care and we find it superior to any other that we have tried. We recommend it to all market gardeners and to Southern truckers who ship early Squashes North. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Giant Crookneck. This strain is a great improvement on the old variety of Crookneck. It is larger and better in every way. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Summer Crookneck. A standard early and productive summer variety. Fruits about a foot long, moderately warted and of a bright yellow color. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Mammoth White Bush. This variety is a selection made from the Early White Bush; the improvement consists in size of the squashes it produces. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Early White Bush or Patty-Pan. Is earlier than any other variety of dwarf habit and very productive. Summer squashes should always be used when young and tender, which can be determined by an impression of the nail. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

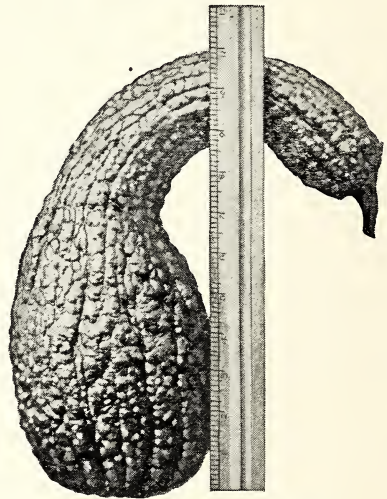


ITALIAN MARROW

Early Yellow Bush Scallop or Golden Custard. A very early, flat, scalloped variety of largest size; color, yellow; flesh pale yellow and well flavored. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

White Summer Crookneck. A large selection of the old "Summer Crookneck"; the skin is ivory white. The flesh is tender and of good flavor. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

English Vegetable Marrow. An English variety for summer and fall use; grows about nine inches long and a perfect oblong in form; shell pale yellow, flesh white. **Pkt. 10c; oz. 15c; ¼ lb. 40c.**



SUMMER CROCKNECK

Italian Marrow. (Cocozella di Napoli.) A distinct variety of squash of bush form. Fruit grows to a length of about twenty or more inches, with a diameter of three to four inches; skin smooth of a dark green color, marbled with yellow or with paler green. All through Italy, where this squash is grown, the fruits are eaten when quite young, sometimes even before the flower has opened. The plants which are thus deprived of their undeveloped fruit continue to flower for several months and produce a great number of young squashes. **Pkt. 10c; oz. 20c; ¼ lb. 60c.**

Zuchini. Similar in all respects to Bush Cocozella except the fruits are mottled dark and light green, giving them a greenish gray appearance. **Pkt. 10c; oz. 20c; ¼ lb. 60c.**

SQUASH—Winter Varieties

Leonard's Warty Hubbard. This is the best strain of Hubbard Squash. By its rough, hard, warty shell and its dark olive green color, it can be distinguished from any other strain either in the field or on the market. It was introduced by us in 1894, and since that time under different names at different places, it has been given out to all who have called for the best stock of Hubbard Squash. We have maintained its purity and offer headquarters' seed. For keeping over winter this strain is superior to all others. It is the best shipping variety and the best seller. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Blue Hubbard. This excellent squash of the Hubbard type is light blue in color, with hard shell and thick, fine grained flesh, which is very tender and by far the best flavored of the winter squash. This variety is very popular in the East, and brings a higher price than any other. We have the true stock. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

The Hubbard cannot be too highly extolled as a Winter Squash; it boils smooth and dry, is of very rich quality, and keeps as solid as a rock. It is more popular with private growers than any other variety. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Golden Hubbard. This is a very distinct sort, of the shape and general character of the Hubbard, but a little smaller; of rich orange red color, instead of the dark olive green. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Orange Marrow. This is the earliest of all Winter varieties. Its distinctive feature and the one which will give it the greatest and most widespread popularity is its earliness; it is at least ten days earlier than any other long-keeping sort. It grows as long as the Hubbard, and is of as good quality. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Boston Marrow. Is the favorite Winter Squash of the Eastern States; it is of fine flavor, and a good keeper. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Sibley or Pike's Peak. Large oval fruits tapering at the blossom end; skin smooth and dark olive-green in color; flesh golden-yellow and of very best quality; a winter sort, maturing with Hubbard. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Essex Hybrid. An early, quick growing variety with hard shell. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Mammoth Chili. Grown for exhibition and stock feeding; specimens have been grown to weigh upwards of 150 pounds; fruits oblong, skin quite smooth but with broad, open netting and rich orange-yellow color. **Pkt. 10c; oz. 20c; ¼ lb. 50c.**

Hard Shelled Marrow. The best sort for canning and drying. The fruit is very large, oval,



BLUE HUBBARD

of deep orange-red color and though quite smooth, has as hard a shell as the Hubbard. The flesh is very thick, of rich orange-red color without a tinge of green. **Pkt. 10c; oz. 20c; ¼ lb. 50c.**

Fordhook. The vines are of strong, vigorous growth and wonderfully productive. Fruits oblong in form, eight to ten inches in length, slightly ridged; smooth, thin, yellowish skin; flesh very thick and of a light straw yellow. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Delicious. This is one of the best winter varieties. Its color is almost uniform of a green shade with occasionally a blue specimen, it being just as pure in this respect as was the original Hubbard. In size it also closely follows the original Hubbard, which weighed between five and ten pounds. In thickness of flesh it surpasses nearly every variety, the color being a dark orange. **Pkt. 10c; oz. 15c; ¼ lb. 50c.**

Delicata. Early and very prolific; of oblong shape. Ground color orange yellow, splashed and striped with very dark green. Although of small size, the squashes are very solid and heavy, while the quality is rich and dry. **Pkt. 10c; oz. 15c; ¼ lb. 35c.**

Banana. A prolific, oblong variety, 2½ feet in length by 6 inches in diameter, having a gray green shell, solid dry flesh and small seed cavity; rather late in maturing. **Pkt. 10c; oz. 20c; ¼ lb. 50c.**

Acorn, Des Moines or Table Queen. A trailing variety, producing acorn shaped fruit with a thin, distinctly ribbed, dark green shell; 6 inches long by 4½ inches in diameter. Flesh light yellow and bakes well; quite early. **Pkt. 10c; oz. 20c; ¼ lb. 50c.**

SORREL

Culture. Sow in spring in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and needs to be taken up and divided only once in four or five years. To be cut and cooked precisely like spinach, or it is excellent cooked with it one-third sorrel to two-

thirds spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large Leaved French. The standard variety. **Pkt. 10c; oz. 25c; ¼ lb. 50c.**

TOBACCO

Connecticut Seed Leaf. The best sort for cigar wrappers. Try it. **Pkt. 10c; oz. 40c.**

Havana. This is the genuine article and is first class. **Pkt. 10c; oz. 40c.**

TOMATO

We grow the larger part of our tomato seed in Michigan. Our tomato seed is saved from choice, ripe select tomatoes, grown only for seed purposes. You cannot get any better tomato seed, no matter how high a price you may pay for it. We grow tomato seed for many of the largest seed houses and canning factories throughout the United States.

Culture. The tomato requires one hundred days or more to mature from seed. As tomatoes are killed by other than light frost, early tomatoes should be started in hotbeds two months before they may be transplanted out of doors. Three weeks later these plants may be potted or given a space of four by four inches in the hotbeds. Before setting in the field, which is May north of the Ohio, the plants should be gradually exposed to the outside conditions and the quantity of water given them decreased. Transplant on a cloudy day if possible, and water freely. Nitrate of soda may be given each plant at this time with profit.

A space of four by four feet should be given each plant in the field or more for robust varieties, except that where they are carefully pruned and trained, which is unnecessary, they may be planted as close as two by two feet. One ounce of seed gives two thousand plants.

Earliana. Vine similar in growth, maturing bulk of crop as early as Atlantic Prize, but the deep scarlet fruit is larger, distinctly smoother, solid and of a very good quality. Early, smooth and of a large size, it is a particularly profitable tomato for market gardeners. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

Leonard's Red Head. This exceptionally fine, large bright red variety is as early as the Chalks' Early Jewel, nearly as large as New Stone and very productive. Fruit almost globe shaped, very solid. An excellent variety for



LEONARD RED HEAD

the market gardener. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

Chalk's Early Jewel. We consider this one of the very best early tomatoes yet introduced. Vine vigorous and very productive. Fruit deep scarlet-red. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

John Baer. An early red tomato, similar to Chalk's Early Jewel; very productive. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Bonny Best. Vines strong and vigorous, fruit deep scarlet, ripening to stem. Flesh firm. A productive and very desirable early and main crop variety. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Gulf State Market. The best of the early, purple-fruited varieties. In season with Early Detroit, while fruit is larger, smoother, more globe-shaped; very solid, free from cracking and productive. Pkt. 10c; oz. 50c; ¼ lb. \$2.00.

Early Detroit. Vines vigorous and productive. Fruit round and nearly globe-shaped. Firm and purplish-pink in color. Ripens with Chalk's Early Jewel, and is a splendid second early variety. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

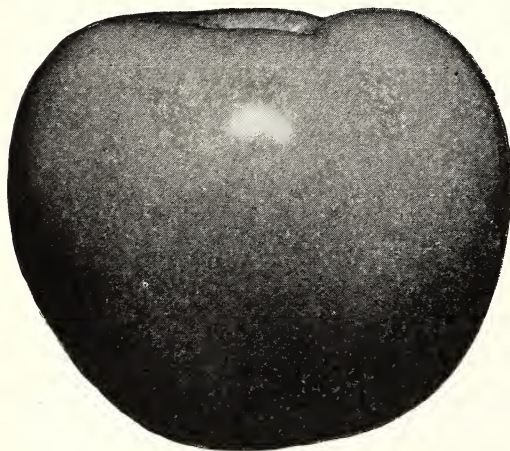
Crines June Pink. It is the earliest of this class of tomatoes and fills the place in them that Earliana does in the bright red sorts. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Acme. The well known popular standard bright pink tomato. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

Beauty. Large, solid, smooth; purplish pink. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

Trucker's Favorite. The finest large-fruited purple Tomato. The fruits continue of large size to the very last and are always unexcelled for slicing or cooking. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

Marglobe. Nail Rust Resistant. A wonderful new variety which is resistant to nail-head rust and fusarium wilt. Ripens 10 to 12 days later than Earliana; large, perfect globe-shaped fruits of a beautiful scarlet color. Its spreading habit of growth enables it to bear in great abundance. Pkt. 10c; oz. 75c; ¼ lb. \$1.50.



MARGLOBE

One of the best Canning and Shipping Tomatoes.
Our stock is excellent.

TOMATO

Greater Baltimore. Leonard's wilt-resistant strain. One of the best second early and main crop varieties. It is a red Tomato, vigorous and very productive. Preferred by many canners on account of its heavy yield. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Favorite. Bright red, smooth, of good size. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Paragon. The well known standard bright red Tomato. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Matchless. The best large-fruited bright red tomato. Matchless is well worthy of its name, beauty and symmetry of form. It is indeed without a fault. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Norton, Wilt Resistant. Similar to Stone but bred for its resistance to fusarium wilt; possibly a trifle later than Stone. Pkt. 10c; oz. 40c; ¼ lb. \$1.50.

New Stone. Vines vigorous and productive; fruits large, smooth, solid and deep red in color, very heavy. This is the favorite canners' variety. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

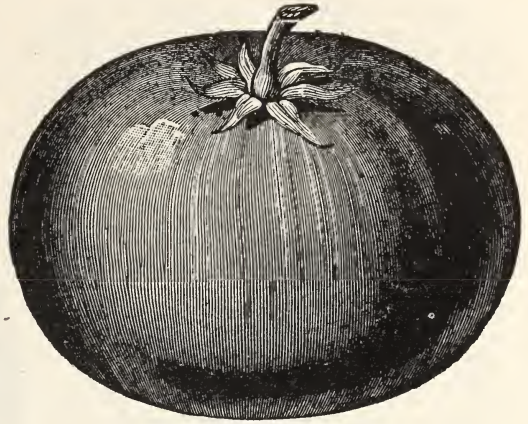
Red Rock. An extraordinary solid, smooth, very red Tomato; a very heavy producer, of excellent shape and very superior texture and flavor. Pkt. 10c; oz. 35c; ¼ lb. \$1.25.

Livingston's Globe. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits a greater number of slices being taken than with flat fruited sorts. Color a beautiful glossy rose, tinged purple. Pkt. 10c; oz. 40c; ¼ lb. \$1.50.

Dwarf Stone. As its name implies this is a dwarf variety bearing fruits similar to that popular canners' sort, the Stone. Pkt. 10c; oz. 50c; ¼ lb. \$1.75.

Dwarf Champion. A purplish pink variety forming a strong, erect bushy plant two feet high. Often sold as tree tomato. Fruit smooth, medium sized, fairly solid and of good flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.75.

Oxheart. While not a very heavy yielder, being similar to Ponderosa in this respect, the grower for market is going to find the Oxheart a mighty attractive sort. They sell on sight. The skin is pink same as Livingston's Globe. It is almost seedless. Flesh frequently shows two inches thick without a seed cavity. The flavor has just that delicious Tomato quality that every



GREATER BALTIMORE

lover of this fruit knows so well. Pkt. 10c; oz. 75c; ¼ lb. \$2.50.

Ponderosa. A purplish pink Tomato of largest size. Vine vigorous and very productive. Fruit very solid, fairly smooth and considered of very good quality, especially by those who prefer a Tomato quite free from acid. Pkt. 10c; oz. 50c; ¼ lb. \$2.00.

Brimmer. Similar to Ponderosa but larger; single specimen often weighs 3 lbs. Fruit is solid and meaty, massive in size, delicious flavor, rich dark red color and almost seedless. Pkt. 10c; oz. 50c; ¼ lb. \$2.00.

Crimson Cushion. A large fruited variety; smooth on the top but inclined to curve at the ends making an indentation at the stem. Color is glossy crimson tinged pink. Fruit ripens evenly, except toward the stem where it ripens somewhat slowly. A very solid, heavy Tomato. Pkt. 10c; oz. 50c; ¼ lb. \$2.00.

McGee. Very productive, average size and bright crimson color; solid and of excellent flavor. Pkt. 10c; oz. 50c; ¼ lb. \$2.00.

Red Currant. Small sort growing in clusters. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Red Cherry. Little fruits of a bright scarlet color. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Red Pear. This is a favorite for preserves and also to make "tomato figs." The fruit is bright red, of true pear shape, and of rich distinct flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Red Peach. Shaped like a peach and has the peach appearance. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Yellow Cherry. The small yellow fruits, borne in clusters, average half an inch in diameter. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Yellow Plum. Plum shaped; yellow. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Yellow Pear. Pear shaped; yellow. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Yellow Peach. Same as the red peach except color. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Golden Queen. Fruit large and smooth; color a beautiful golden yellow, sometimes with a slight blush of red, as smooth and well shaped as the best of the red varieties and of superior flavor. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Strawberry or Husk. Plants of low-spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.



BEAUTY

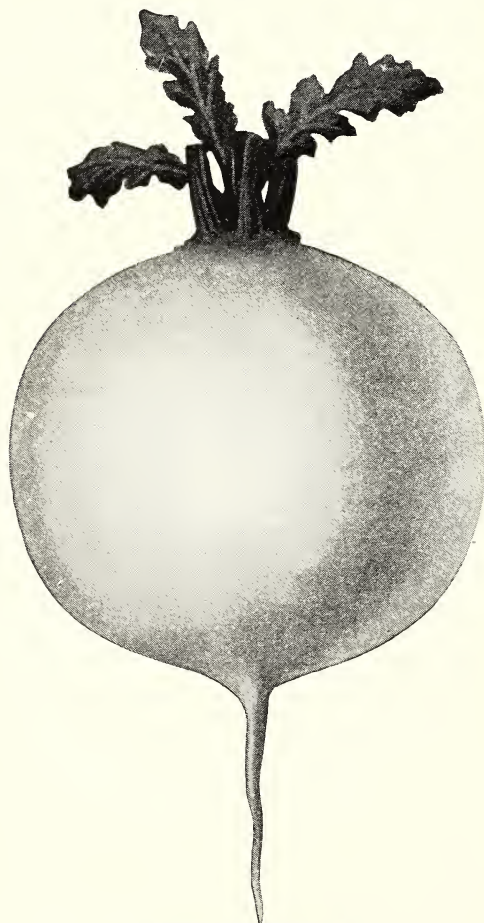
TURNIP

Culture. While the main crop of turnips is planted in July north of the Ohio, more turnips should be grown in early spring. Seed may be broadcast on the few soils freed of weeds, but it is more advisable to sow in one or two foot drills, cover less than one-half inch and thin to stand six inches apart in the row. Use one-half ounce of seed to one hundred feet of row and two pounds to the acre. The turnip requires one-half more seed when broadcast than in drills and a salad turnip requires one-half more seed than the turnip sown in a root crop.

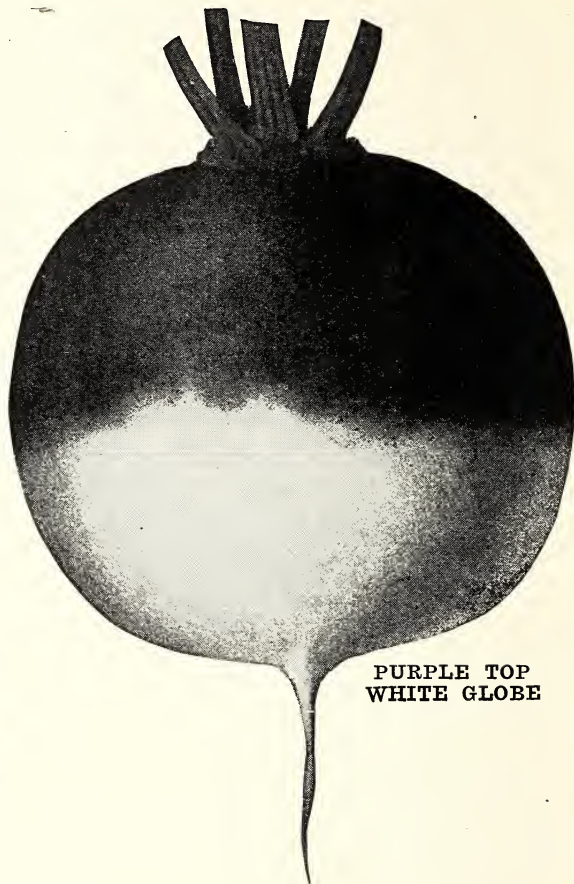
Extra Early White Milan. A splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple Top Milan is united with clear white skin and flesh. **Pkt. 10c; oz. 20c; ¼ lb. 50c.**

Extra Early Purple Top Milan. The earliest in cultivation, two weeks earlier than Purple Top Strap Leaf. The bulb is flat, of medium size, quite smooth with a purple top. **Pkt. 10c; oz. 20c; ¼ lb. 50c.**

Early Snowball. A perfectly globe-shaped, white-skinned turnip. It is exceedingly productive. The flesh is fine grained, firm and of very delicate flavor.



EARLY SNOWBALL



**PURPLE TOP
WHITE GLOBE**

It is one of the best keeping of the white-fleshed sorts. Very early and particularly adapted for family or market use. We recommend it to market gardeners because its earliness and fine appearance make it a very profitable variety of turnip. **Pkt. 10c; oz. 15c; ¼ lb. 25c.**

Early White Flat Dutch. An excellent garden variety. The best for spring sowing. **Pkt. 10c; oz. 15c; ¼ lb. 25c.**

Purple Top Strap Leaf. Rapid grower and mild flavor, the most popular variety for early use, either for the table or stock. **Pkt. 10c; oz. 15c; ¼ lb. 25c.**

Purple Top White Globe. An early, perfectly globed shape variety of good size and very attractive appearance. The roots are large, white with purple top. The flesh is white, fine grained and tender. They are best for table when about three inches in diameter, but can be grown much larger for stock feeding. Best variety for market gardeners. **Pkt. 10c; oz. 15c; ¼ lb. 25c.**

Cow Horn. This variety is pure white except a little shade of green at the top, and is carrot-like in form, growing nearly half out of the ground, and slightly crooked. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

Large White Norfolk. The standard variety for field culture for feeding stock. Very large size. **Pkt. 10c; oz. 15c; ¼ lb. 30c.**

TURNIP

White Egg. Belongs to the class of quick growing fall turnips, and for this purpose should be sown, in this latitude, between August 10 and 25. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Pomeranian White Globe. This is one of the most productive kinds, and in good, rich soil roots will frequently grow to 12 pounds in weight. It is of perfect globe shape; skin white and smooth; leaves large and dark green. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Seven Top. Cultivated extensively in the South for the tops, which are used for greens. It is very hardy and will grow all winter. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Southern Prize. Grown for the tops which are used as greens. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Orange Jelly, or Golden Ball. Undoubtedly among the most delicate and sweetest yellow fleshed turnips yet introduced. Not of a large size, but firm, hard and of most excellent flavor. Keeps well and is superior as a table variety.

It is extensively used. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Yellow Aberdeen. Very hardy and productive, a good keeper; globe shaped. Color pale yellow, with purple top. Very firm in texture, and closely resembling the Rutabaga in good keeping qualities. Good either for table or stock. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Large Amber Globe. One of the best varieties for a field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow; top green. Hardy, keeps well, a good cropper. Very popular in the South. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Yellow Stone. A very desirable sort. The roots are of medium size, uniformly globular and perfect in shape, smooth skinned and of pale yellow color. The flesh is crisp, tender and of fine quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Yellow Globe. Very similar to the Yellow Stone and a very attractive sort. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

RUTABAGAS

Culture. Rutabagas, or Swedish Turnips, with their superior keeping qualities, had best be drilled a month earlier than other turnips, given 18 to 30-inch rows and thinned to stand six to twelve inches apart in the row.

Improved American. Purple Top. The best yellow fleshed, purple top variety grown for stock or table. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Bangholm. A very superior variety, both in form and quality, and held in high esteem in many parts of England. Of large size, small

neck, few or no side roots, and yields well. Flesh yellow, sweet and solid; skin yellow with purple top. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Large Yellow. A very heavy cropper similar to Improved American Purple Top, except that it has a green top. A good variety which is becoming more popular each year. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Laing's Improved. One of the earliest of the rutabagas. Forms a handsome bulb of good quality. Keeps well; good for table use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Sweet German. A superior variety for table or stock. Flesh firm, sweet and juicy. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Macomber. A very fine white rutabaga. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

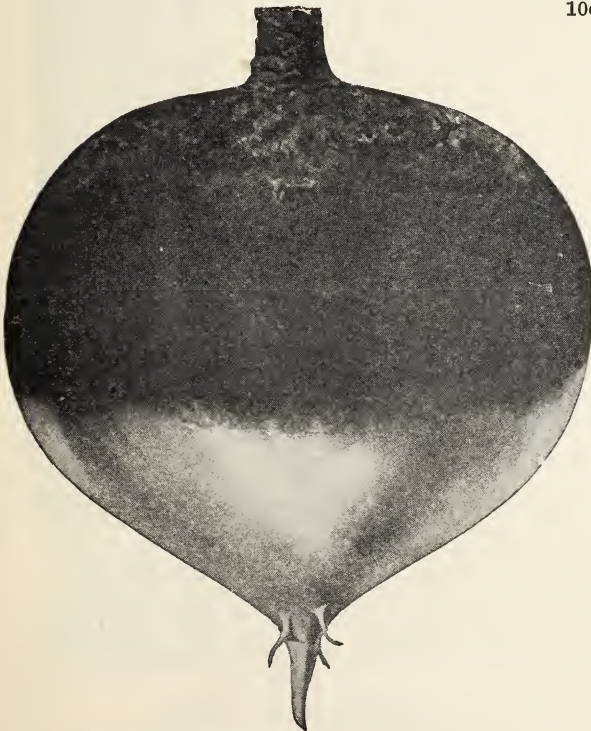
Skirving's Purple Top. A very heavy cropper. One of the best for field culture. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Carter's Imperial Hardy. An English variety resembling the preceding. Very productive and of fine quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

White Rutabaga. This variety is now very extensively cultivated, and preferred in many sections for its white flesh. It is very hardy and productive, keeps well until late in the spring, and is highly esteemed for its sweet delicate flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Budlong's White Rock. Though sometimes called a turnip this is more like a rutabaga. The root is large both skin and flesh very white, and is one of the best varieties we have for table use. An excellent keeper and a desirable sort for market gardeners. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.

Monarch or Tankard. This is a yellow fleshed sort having very large tankard shaped roots, with relatively small necks and tops. Color purplish crimson above ground, yellow below; flesh very solid, fine grained and of the best flavors. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c.



IMPROVED AMERICAN PURPLE TOP

MEDICINAL, AROMATIC AND POT HERBS

In borders and irregular parts of the garden it will prove profitable and pleasureable to grow a few herbs. Their use gives new and unusual flavors, pleasing aromas and perfumes, and some medicines that are as serviceable as can be purchased. Exact cultural directions suited to them all is impossible. Give them generally the care given vegetables or flowers. Where the foliage is to be used cut the young stems on a dry day, wilt in the sun, dry in the shade and either hang up in bunches or store in air-tight glass jars.

Anise. A hardy annual used for medicinal purposes and for seasoning and flavoring. Pkt. 10c.

Balm. A perennial used for a medicinal tea, and a beverage of lemon-like flavor. Pkt. 10c.

Basil Sweet. An annual used for seasoning sauces, soups and meats. Pkt. 10c.

Borage. A hardy annual grown for bee pasture; also used as a flavoring. Pkt. 10c.

Caraway. In its second year this biennial produces seed for flavoring pastry, etc. Pkt. 10c.

Catnip. Perennial. The leaves are used for seasoning. Pkt. 10c.

Coriander. An annual grown for the use of its seed in confectionery and liquors. Pkt. 10c.

Dill. The seed and foliage of this annual is used for flavoring as in "dill pickles." Pkt. 10c.

Fennel, Sweet or Common. Foliage used as a salad and the seed for flavoring. Pkt. 10c.

Fennel, Florence. An annual grown for the blanched base of its stem, which when cooked has a sweet taste, a delicate odor and somewhat resembles celery. Pkt. 10c.

Horehound. The leaves of this perennial are used in medicines for coughs and colds. Pkt. 10c.

Hyssop. A perennial grown for the use of its foliage in medicine. Pkt. 10c.

Lavender. A hardy perennial grown for its fragrance. Pkt. 10c.

Sweet Marjoram. Treated as an annual and the younger foliage used for seasoning. Pkt. 10c.

Rosemary. A fragrant perennial used for seasoning and medicinal purposes. Pkt. 10c.

Rue. A hardy perennial to be used with caution medicinally. Pkt. 10c.

Saffron. An annual used for seasoning, coloring and making cosmetics. Pkt. 10c.

Sage. The well known hardy perennial used for seasoning. Pkt. 10c.

Savory, Summer. The foliage and flowers of this annual used for flavoring and seasoning. Pkt. 10c.

Thyme. The leaves of this perennial are used for seasoning and medicinally. Pkt. 10c.

Wormwood. Perennial. A plant of fragrant odor, but very bitter taste; the leaves are used as a tonic.

POP CORN FOR SEED

White Rice. The most popular of the varieties with the popcorn men.

White Pearl. A very handsome, smooth grained variety.

Golden Queen. A fine yellow grained sort.

Pop Corn for Popping. This corn we run through our drier to put it in perfect shape for commercial purposes and must not be confused with what we offer for seed purposes.

Prices on request.

FIELD CORN

Reid's Yellow Dent. This variety has won more prizes at corn shows than any other corn. It matures a ten-inch ear of eighteen to twenty-four rows in one hundred fifteen days.

Pride of the North. This famous corn still retains its popularity; an exceedingly early and prolific variety, always maturing in ninety days; often shelling sixty-two pounds of grain from seventy pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about seven feet in height.

Improved Leaming. The Improved Leaming Corn is a medium early yellow variety; large slightly tapering ears, deep grain, and medium sized red cob. In favorable years there is much uniformity of both kernels and ears.

Champion White Pearl or Snowflake. Originated in Illinois, and is enormously productive; a strong grower; matures in about one hundred days. The stalk is stout and thick, with large ears set low.

Minnesota No. 13 or Wisconsin No. 8. A ninety-day variety producing ears averaging eight inches in length with sixteen to twenty rows of bright, rich yellow, smooth, wedge shaped kernels, packed closely on the cob from tip to butt. The best yellow Dent for northern planting.

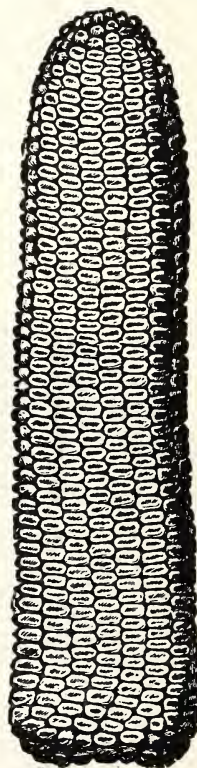
Iowa Gold Mine. A splendid yellow corn. Everyone who has tried it is enthusiastic in the praise of this splendid variety which was introduced in 1892. It has everywhere received the most cordial endorsement as one of the best and most profitable varieties ever grown.

Iowa Silver Mine. The Iowa Silver Mine is a splendid white corn. In 1894, the poor corn year, it yielded at the rate of ninety-seven and one-third bushels to the acre. It has no barren stalks. The ears are very even in size, being but little smaller at the tip than at the butt, and corn is well filled out over the tip.

Longfellow Flint. This is an eight-rowed Yellow Flint variety, the result of careful selection. The ears are from ten to fifteen inches long, one and one-half to one and three-fourths inches in diameter, are well filled out to the extreme end of cob.

Evergreen Sweet Fodder. Superior for summer and fall green feeding.

Prices on request



IMPROVED
LEAMING

*For a better garden this year
Plant
LEONARD'S SEEDS*

GRASS SEED

	Per lb.
Timothy	\$0.15
Kentucky Blue Grass.....	.50
Canada Blue Grass.....	.45
Fancy Red Top.....	.40
Orchard Grass .....	.30
For Lawn Grass Mixtures see inside front cover.	

CLOVER

Medium Red	} Prices on Request
Alsike	
Alfalfa, Northern Grown.....	
Alfalfa, Grimm's	
White Dutch for Lawns.....	
Sweet Clover, White Blossom.....	

**MISCELLANEOUS
FIELD SEEDS**

Barley	} Prices on Request
Buckwheat	
Cow Peas	
Field Peas	
Soy Beans	
Flax	
Cane	
Millet	
Oats	
Rape, Dwarf Essex.....	
Rye, Rosen.....	
Rye, Spring.....	
Vetch, Winter	
Vetch, Spring	
Wheat, Marquis Spring.....	

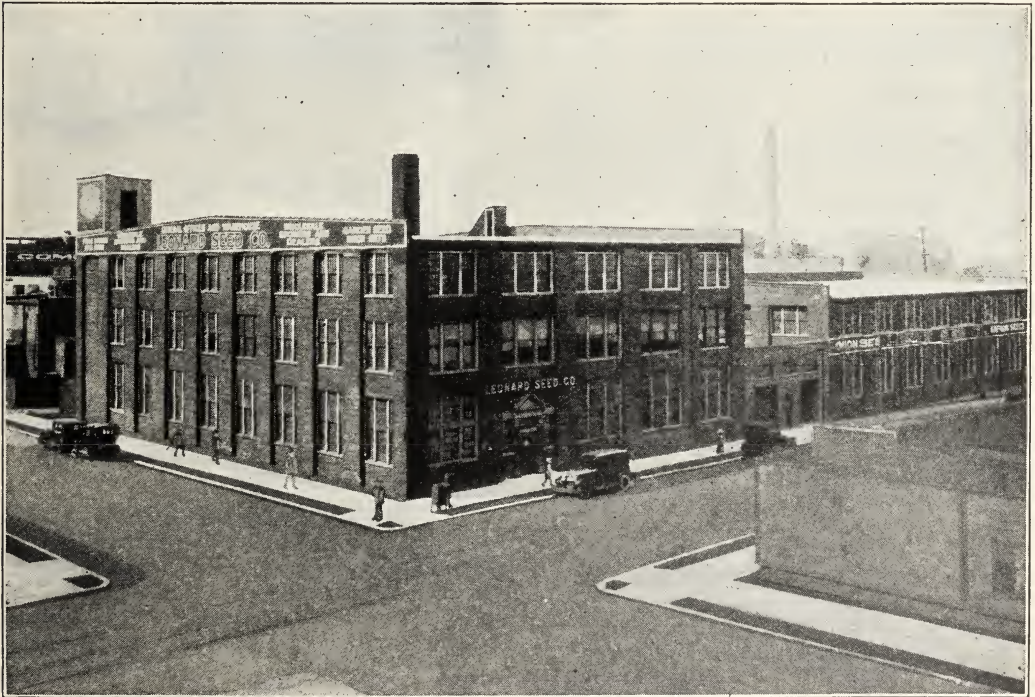
SPRING FLOWERING BULBS

Must be planted in the Fall.

Do not overlook the Spring flowering Bulbs such as Tulips, Hyacinths, Narcissus, etc. These must be planted during October or November and are usually ready for delivery the latter part of September or early October. Our Bulbs are the choicest Holland grown, imported from the best growers.

Darwin Tulips
Single Early Tulips
Double Early Tulips
Single Late or "Cottage" Tulips
Breeder Tulips
Parrot Tulips
Hyacinths
Narcissus—For Outdoor Planting
Narcissus—For Indoor Planting
Jonquils
Crocus
Snowdrops
Lily of the Valley
Paeonies.

For prices and varieties, call at any of our retail stores, early in the Fall.



**GENERAL OFFICES AND WAREHOUSE AT
333-355 West 35th St., Corner Shields Ave.**

FERTILIZERS

To produce large crops of the best quality Vegetables, you must, above all, plant good Seed to start with and in addition to this use a sufficient amount of Fertilizer so that you can produce large crops.

We have made arrangements with some of the largest Fertilizer Manufacturers in the country and are now in a position to quote you very reasonable prices on all of your Fertilizer requirements. Prices on Fertilizer vary and we should be glad to quote you when you are ready to purchase. We are sure you will find our prices compare favorably with others quoting on the same quality Fertilizer.

If you are undecided as to what kind of Fertilizer to use, take it up with any of our salesmen or store managers and they will be glad to advise you what to use and the quantity to use for your particular land and crop. Any information you wish, we will always be very glad to give you.

Among the different kinds of fertilizers we handle, are the following:

Nitrate of Soda. Mostly used as a top dressing after plants are up and is especially good for all leaf crops.

Muriate of Potash. Especially good for root crops.

Superphosphate (16%) (also 20%). To be broadcast before harrowing.

Blood and Bone.

Farmers' Favorite (3-8-4) A general complete, high grade Fertilizer for all crops.

Big Crop (4-8-6). Does especially well for the small truck crops and is being used more and more each year.

Bone Meal.

Pulverized Sheep Manure.

Prices
on
Request

Prices
on
Request

MEASUREMENT OF AN ACRE

The following will be found useful in arriving at accuracy in estimating the amount of land in different pieces of ground under cultivation: 5 yards wide by 968 yards long, contains one acre, as do also the following measurements: 10 yards wide by 484 yards long; 20 yards wide by 242 yards long; 40 yards wide by 121 yards long; 70 yards wide by 69½ yards long; 60 feet wide by 726 feet long; 110 feet wide by 396 feet long; 120 feet wide by 363 feet long; 220 feet wide by 198 feet long; 240 feet wide by 181½ feet long, and 440 feet wide by 99 feet long.

Enjoy Better Lawns, Flowers, and Gardens by using VIGORO

Complete directions in every bag.

Clean, Odorless, Easy to Apply

VIGORO

Specially prepared plant food

100-lb. bag \$5.00

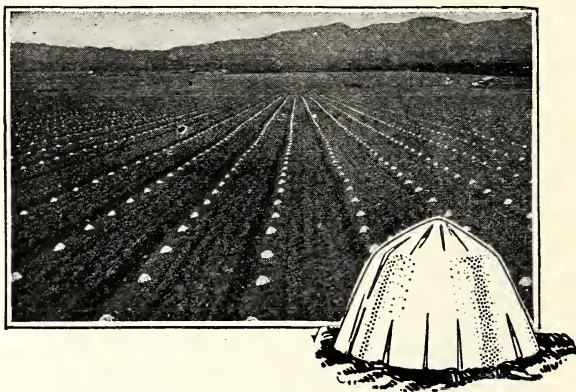
50-lb. bag 3.00

25-lb. bag \$1.75

5-lb. bag .50

A Swift & Company Product

Special prices for New England and Western States: 100 lbs. \$6.00; 50 lbs. \$3.75; 25 lbs. \$2.00; 5-lb. pkg. 60c.



Protect Plants for Profit

GERMACO HOTKAPS can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce hardier, quicker crops. You get higher prices!

100 package, complete.....\$2.50

Contains 100 Germaco Hotkaps, one Papier Mache Garden Setter and one Steel Tamper.

250 package, complete.....\$4.00

Contains 250 Germaco Hotkaps, one Papier Mache Garden Setter and one Steel Tamper.

1000 to a carton, per M.....\$11.50

5000 to a carton, per M..... 11.00

Steel Hotkap Setter and Tamper..... 2.50



Germaco
Hotkaps
New Method of
Plant Protection

A NON-POISONOUS INSECTICIDE!

EVER GREEN is what you should use on pickles, onions, cabbage, celery, squash, and any other plants which may be infested with insects or bugs. EVER GREEN will kill the cucumber beetle, stink bug, aphid, or louse, onion maggot, onion thrip, cabbage worm, celery leaf tier, and celery slugs—and yet EVER GREEN is non-poisonous to humans and livestock and should be used freely according to directions to save your plants and crops.

For best results, mix soap in the water with the EVER GREEN as directed, as the soapsuds cause the chemical to stick to the plants and in that way it does more efficient work. Use according to directions, but use some, and kill the bugs on your growing crops right away.

Inexperienced gardeners—even children—can use EVER GREEN with full assurance of safety and convenience—yet with deadly effectiveness to the insects that ruin vegetable crops.

To be able to keep your crops free from insect damage and to sell produce free from poisonous residue is worth many times more than EVER GREEN costs you.



PRICES

1-oz. bottles, each.....	\$ 0.35
6-oz. bottles, each.....	1.00
16-oz. bottles, each.....	2.00
1-gal. bottles, each.....	13.00



SEED DISINFECTANTS

Semesan. A general disinfectant for Vegetable and Flower Seeds or Bulbs and certain plant diseases.

Semesan, Jr. A dust disinfectant for Seed Corn.

Semesan Bel. An instantaneous dip disinfectant for Seed Potatoes.

Ceresan. A dust disinfectant for Wheat, Oats, Barley and other Cereals.

Nu-Green. A Grass disinfectant for Brown-Patch prevention and control.

PRICES OF DU BAY SEED DISINFECTANTS

Sizes	Ceresan	Semesan	Semesan	Semesan	Nu-Green
		Bel	Jr.		
2 oz. ....	....	....	....	\$0.50	....
3 oz. ....	....	....	....	....	\$0.50
4 oz. ....	....	\$0.50	\$0.50	....	....
8 oz.	\$0.50	....	....	....	....
1 lb. ....	.75	1.75	1.75	2.75	2.00
5 lb.	3.00	8.00	8.00	13.00	9.00

SHEPS PLANT SPRAY



This NON-POISONOUS spray gives positive protection against both sucking and chewing insect pests, including Aphids, Thrips, Green Flies, Mealy Bugs, Worms, Caterpillars and others. Harmless to humans, birds, animals and pets. Will not injure the most delicate plants. Benefits soil and foliage. Absolutely the easiest spray to mix—no soap solution, perfect emulsion—20 seconds from bottle to plant.

Following sizes and prices:

2 oz. bottle, postpaid.....	35c
8 oz. bottle, postpaid.....	75c
16 oz. bottle, postpaid....	\$1.25
Quart can, postpaid.....	2.00
Gallon can, postpaid.....	6.35
5 gallon can, postpaid....	30.00

Bulk Prices on Inquiry.



This is the machine that garden growers and florists everywhere are talking about—the famous BARKER Weeder, Mulcher and Cultivator.

Revolving blades work in combination with a stationary underground knife. Positively the most thorough and effective weed killer ever used. In the same operation they break up the clods and surface crust into a level, porous, moisture-retaining top mulch.

Much better and faster and easier than a wheel hoe. No jerking, pulling, jabbing; no strain on the arms and shoulders.

The BARKER Jr. is immeasurably the best light machine of this type—except the BARKER. It is the best because it is built to operate exactly like the BARKER. The blades are made the same, from the same high grade steel; the shovels are made to "take the ground" and the handle is made from strong, seasoned wood. The only difference is that the BARKER Jr. has spoke wheels and is slightly lighter of materials throughout. If you have a small garden, comparatively free from sticks and stones, the BARKER Jr. will give you the same splendid satisfaction as the famous BARKER.

Sizes and prices:

No. 6—The Baby BARKER Jr. Especially adapted for greenhouses, and where the rows are close together; small gardens. Lower knife works strip six inches wide. Has 7-inch wheel heads, eight rotary blades. Three shovels and leafguards.

Price\$7.25

No. 8½—The BARKER Jr. A favorite where onions are grown extensively and for the family garden. Women and boys and girls like this size. Works a strip 8½ inches wide. Has 7-inch diameter wheel heads, 8 rotary blades. Three shovels and leafguards.

Price\$7.95

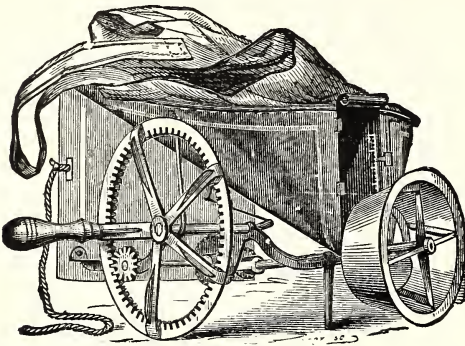
No. 10—The BARKER Jr. A very popular size. Works a strip 10 inches wide. Has 7-inch diameter wheel heads, 8 rotary blades. Three shovels and leafguards.

Price\$8.45

For juicy early Green
Onions Plant

LEONARD'S ONION SETS

TOOLS AND SUPPLIES



CAHOON SEEDER

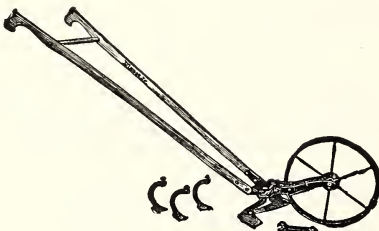
Asparagus Knives	.....\$0.55
Corn Huskers	.....\$0.25-50
Corn Knives	......65
Corn Planters, Single Hand	.....\$2.25-2.50
Corn Planters, Eagle	......2.75
Dibbers, Iron	......65
Dibbers, Wooden	......75
Forks, Spading	......2.00
Grafting Wax, per lb.	......45
Grass Hooks	.....\$0.50-75
Grass Shears	.....\$0.50-1.00
Hand Weeders, Excelsior	......20
Hand Weeders, Hazeltine	......35
Hand Weeders, Lang's	......25
Hedge Pruners	.....\$2.25-3.50
Hoes, 6, 6½, 7, 7½ inches	.....\$1.15-1.40
Plows, Iron and Wood Beams	.....
Dusting Guns	......2.00
Powder Dusters, Best 2-row dry Powder Gun	.....10.00
Rakes	.....\$0.85-1.50
Manila Rope, all sizes	.....
Scuffle Hoes	.....\$1.25-1.50
Scythe Blades	.....\$2.25-2.50
Scythe Blades, Imported	......2.25
Scythe Holders	......1.75
Seeder, Cahoon Hand Broadcast	......5.75
Seeder, Cyclone Hand Broadcast	......2.75
Spades and Shovels	.....\$1.75-2.25
Sprayers, One Quart Size	.....\$0.50-1.50
Sprayers, Standard Spray Pump, all Brass, Best Make	......5.00
Sprayers, Knapsack, 3½ gal. Compressed Air	......7.00
Sprinkling Cans	.....\$1.25-3.50
Trowels	.....\$0.20- .50
Twine, Jute and Cotton	.....
Wheelbarrows	.....\$7.50-9.00

You will find a full line of Garden Hose as well as other Garden Supplies not listed above at very fair prices.

We also carry a full line of Planet Jr. garden tools consisting of Hand Seeders, and Wheel Hoes, Seed Drills and Horse Cultivators.

PLANET JR. DOUBLE AND SINGLE WHEEL HOE COMBINED

No. 17½. One of the best for the small garden. Equipment: One pair of 6-inch hoes; three steel cultivator teeth; one leaf lifter. (All oil tempered.) Price \$6.75.



PLANET JR. SINGLE WHEEL HOE

REFERENCE TABLES

Quantity of Seeds Requisite to Produce a Given Number of Plants and Sow an Acre

	Quantity per Acre
Artichoke, 1 oz. to 500 plants	6 oz.
Asparagus, 1 oz. to 800 plants	1 lb.
Asparagus Roots	1000 to 7250
Barley	2½ bu.
Beans, Dwarf, 1 pint to 100 ft. of drill	1 bu.
Beans, pole, 1 pint to 100 hills	½ bu.
Beet, Garden, 1 oz. to 100 ft. of drill	7 lbs.
Beet, Mangel, 1 oz. to 100 ft. of drill	5 lbs.
Broccoli, 1 oz. to 5000 plants	2 oz.
Brussels Sprouts, 1 oz. to 5000 plants	2 oz.
Buckwheat	½ bu.
Cabbage, 1 oz. to 3000 plants	2 oz.
Carrot, ¼ oz. to 100 ft. of drill	2½ lbs.
Cauliflower, 1 oz. to 3000 plants	2½ oz.
Celery, 1 oz. to 15,000 plants	2 oz.
Chicory	4 lbs.
Clover, Alsike and White Dutch	6 lbs.
Clover, Lucerne	15 to 25 lbs.
Clover, Crimson Trefoil	10 to 15 lbs.
Clover, Large Red and Medium	8 to 12 lbs.
Collards, 1 oz. to 5000 plants	2 oz.
Corn, Rice (Shelled)	4 lbs.
Corn, Sweet, ¼ pint to 100 hills	12 lbs.
Cress, ¼ oz. to 100 ft. of drill	12 lbs.
Cucumber, 1 oz. to 100 hills	1 to 3 lbs.
Egg Plant, 1 oz. to 2000 plants	4 oz.
Endive, ¼ oz. to 100 ft. of drill	4½ lbs.
Flax, broadcast	½ bu.
Garlic, Bulbs, 1 lb. to 10 ft. of drill	30 to 40 lbs.
Grass, Blue, Kentucky	20 lbs.
Grass, Blue, English	25 lbs.
Grass, Hungarian and Millet	100 lbs.
Grass, Mixed Lawn	8 to 10 lbs.
Grass, Red Top, Fancy, Clean	¼ bu.
Grass, Timothy	2 bu.
Grass, Orchard, Perennial Rye, Fowl Meadow and Wood Meadow	½ bu.
Hemp	10,000 to 15,000
Horse-Radish Roots	2 oz.
Kale, 1 oz. to 5,000 plants	4 lbs.
Kohl-rabi, ½ oz. to 100 ft. of drill	4 lbs.
Leek, ½ oz. to 100 ft. of drill	4 lbs.
Lettuce, ¼ oz. to 100 ft. of drill	3 lbs.
Melon, Musk, 1 oz. to 100 hills	1 to 3 lbs.
Melon, Water, 4 oz. to 100 hills	1½ to 4 lbs.
Nasturtium, 2 oz. to 100 ft. of drill	15 lbs.
Okra, 1 oz. to 100 ft. of drill	8 lbs.
Onion Seed, ½ oz. to 100 ft. of drill	4 to 5 lbs.
Onion Seed for sets	40 to 80 lbs.
Onion Sets, 1 quart to 40 ft. of drill	8 bu.
Parsnip, ¼ oz. to 100 ft. of drill	3 lbs.
Parsley, ¼ oz. to 100 ft. of drill	3 lbs.
Peas, Garden, 1 pint to 100 ft. of drill	1 to 3 bu.
Peas, Field	2 bu.
Pepper, 1 oz. to 1500 plants	3 oz.
Pumpkin, ½ quart to 100 hills	3 to 4 lbs.
Radish, ½ oz. to 100 ft. of drill	10 to 12 lbs.
Rye	1½ bu.
Salsify, ¼ oz. to 100 ft. of drill	8 lbs.
Spinach, ½ oz. to 100 ft. of drill	8 lbs.
Summer Savory	¾ lb.
Sunflower	8 lbs.
Squash, Summer, 4 oz. to 100 hills	2 lbs.
Squash, Winter, 8 oz. to 100 hills	2 lbs.
Tomato, 1 oz. to 4500 plants	2 oz.
Tobacco, 1 oz. to 5000 plants	2 oz.
Turnip, 1 oz. to 250 ft. of drill	1 to 3 lbs.
Vetches	2 bu.

NUMBER OF PLANTS OR TREES TO THE ACRE AT GIVEN DISTANCES

Dis. Apart	No. Plants	Dis. Apart	No. Plants
12x 1 in.	522,720	36x36 in.	4,480
12x 3 in.	174,240	42x12 in.	12,444
12x12 in.	43,560	42x24 in.	6,223
16x 1 in.	392,040	42x36 in.	4,148
18x 1 in.	348,480	48x12 in.	10,890
18x 3 in.	116,160	48x18 in.	7,790
18x12 in.	29,040	48x24 in.	5,445
18x18 in.	19,360	48x30 in.	4,356
20x 1 in.	313,635	48x36 in.	3,630
20x20 in.	15,681	48x48 in.	2,723
24x 1 in.	261,360	60x36 in.	2,901
24x18 in.	15,520	60x48 in.	2,178
24x24 in.	10,890	60x60 in.	1,743
30x 1 in.	209,088	8x 1 ft.	5,445
30x 6 in.	34,848	8x 3 ft.	1,815
30x12 in.	17,424	8x 8 ft.	680
30x16 in.	13,068	10x 1 ft.	4,356
30x20 in.	10,454	10x 6 ft.	726
30x24 in.	8,712	10x10 ft.	435
30x30 in.	6,970	12x 1 ft.	3,630
36x 3 in.	58,080	12x 5 ft.	736
36x12 in.	14,520	12x12 ft.	302
36x18 in.	9,680	16x 1 ft.	2,722
36x24 in.	7,260	16x16 ft.	170

SUMMER FLOWERING BULBS

Choice Selected Bulbs



GLADIOLUS
LARGE SIZE BULBS

Standard Mixture, doz. 50c; 100, \$3.75.

Large Flowering Hybrids. Mixed, doz. 50c; 100, \$3.75.

America. Soft lavender pink, very light, almost a tinted white, doz. 55c; 100, \$4.00.

Anna Eberius. A little different in color from anything on the market. Dark velvety plum-rose, throat deeper shade, doz. 90c; 100, \$6.50.

Arizona Rose. Pink, dark throat, doz. 60c; 100, \$4.50.

Baron J. Hulot. The leading purple variety, doz. 90c; 100, \$7.00.

Brilliant. Very beautiful. European introduction. Early, bright red, doz. \$1.00; 100, \$7.50.

Chicago White. Doz. 55c; 100, \$4.00.

Dr. Norton. The finest cream and pink, a variety that is really in a class by itself; exceptionally fine for cut flowers, doz. 85c; 100, \$6.50.

Flaming Sword. Earliest of all reds, tinted salmon. A variety that is coming to the front very fast, of brilliant red color, opens well and comes into flower very early, doz. 80c; 100, \$6.00.

Flora. Beautiful golden yellow; large flowers. A very strong grower. We consider this wonderful variety much superior to Schwaben, doz. 90c; 100, \$7.00.

Halley. Salmon pink, doz. 55c; 100, \$4.00.

Helen Franklin. Pure white with violet stripes on lower petals, doz. 75c; 100, \$5.00.

LeMarechal Foch. Light pink, doz. 55c; 100, \$4.00.

L'Immaculee. Pure white, doz. 75c; 100, \$5.00.

Lena Graetz. Almost pure white, doz. 80c; 100, \$6.00.

Mrs. Frances King. Pink, doz. 60c; 100, \$4.00.

Mrs. Frank Pendleton. Bright rose pink on a pure white ground, contrasting in a most striking way with the deep rich, velvety blood red blotch on the lower petals, doz. 75c; 100, \$5.50.

Myrtle. Tender, delicate rose pink, doz. 85c; 100, \$6.00.

Niagara. Flowers cream shade blending to canary yellow, splashed with carmine, doz. 80c; 100, \$5.75.

Odin. Salmon color with dark blotches, doz. 80c; 100, \$5.50.

Orange Queen. Has been accepted by the most critical Glad lovers. It is an early bloomer, good grower, and color copper-orange, doz. \$1.25; 100, \$9.00.

Panama. Resembles America except that it is a much deeper pink, doz. 65c; 100, \$5.00.

Peace. White feathered with pale lilac, doz. 65c; 100, \$5.00.

Peach Rose. An extra choice and distinct deep rose pink of remarkable color and appearance, doz. \$1.25; 100, \$9.00.

Prince of Wales. Delicate salmon pink, doz. 65c; 100, \$5.00.

Rose. 1910. Pure rose pink, doz. 55c; 100, \$4.00.

Rose Luisante. Shell pink, cream throat, doz. 80c; 100, \$5.50.

Schwaben. Canary Yellow, doz. 65c; 100, \$5.00.

War. Deep blood red, doz. 85c; 100, \$6.00.

CANNAS—LARGE FLOWERING.

Apricot. 4 ft. Buff yellow base overspread with salmon pink, doz. \$1.20.

Chas. Henderson. 4 ft. Brilliant crimson, flame yellow throat, doz. \$1.00.

The President. 4 ft. Flaming scarlet. The best red, doz. \$1.00.

King Humbert. 4 ft. Scarlet. The great favorite, doz. \$1.00.

Mrs. Alfred Conard. 4 ft. Salmon Pink, doz. \$1.40.

Florence Vaughan. 5 ft. Yellow spotted crimson, doz. \$1.00.

Yellow King Humbert. 4 ft. Deep rich yellow spotted bright red, doz. \$1.00.

DAHLIAS—DOUBLE LARGE FLOWERING.

	Each	Doz.
Red Shades	\$0.25	\$2.50
Pink Shades.....	.25	2.50
Yellow Shades.....	.25	2.50
White Shades.....	.25	2.50
Variegated Shades.....	.25	2.50

TUBEROSES—DOUBLE PEARL.

	Doz.
3 to 4 in. circumference.....	\$0.55
4 to 6 in. circumference.....	.65

CALADIUM ESCULENTUM or ELEPHANT'S EAR.

	Each	Doz.
5 to 7 in. circumference.....	\$0.10	\$0.90
7 to 9 in. circumference.....	.15	1.25
9 to 11 in. circumference.....	.20	2.00
11 to 12 in. circumference.....	.25	2.50
12 in. and up.....	.30	3.25

PAEONIES

Prices on request

HARDY LILIES—LILIUM AURATUM GOLD BANDED LILY

Cream, spotted chocolate-red with gold band through center of each petal.

	Each	Doz.
8 to 9 in.....	\$0.35	\$3.50
9 to 10 in.....	.45	4.50

LILIUM SPECIOSUM MAGNIFICUM OR RUBRUM White ground, pink spotted.

	Each	Doz.
8 to 9 in.....	\$0.35	\$3.50
9 to 10 in.....	.45	4.50



Leonard's SEEDS